KEMRON Environmental Services - PRICE ANALYSIS / QUOTE SHEET

237857

Project Name: Riverside Avenue Site **Project # SF 1838**

PROCUREMENT OF: T&D of Hazardous and Non-Hazardous Material

NAMES OF BIDDERS AND QUOTES PRICES			Captiol Environmental Services		Veolia		SeaCoast Environmental Services		AWMSI		EQ-The Environmental Quality Company		Clean Harbors	
ITEM NO	QUANTITY	DESCRIPTION OF SERVICES OR SUPPLIES	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	0-21000 Gallons	Disposal of Frac Tank 4 Liquids	$0.22	$4,620.00	$0.22	$4,620.00	$0.225	$4,725.00	$0.21	$4,410.00	$1.09	$22,890.00	$1.25	$26,250.00
2	0-10 Drums	Disposal of Frac Tank 3 Liquids	$145.00	$1,450.00	$165.00	$1,650.00	$183.00	$1,830.00	$350.00	$3,500.00	$84.00	$840.00	$240.00	$2,400.00
3	0-5 Drums	Disposal of Spent Carbon	$49.00	$245.00	$65.00	$325.00	$44.00	$220.00	$85.00	$425.00	$35.00	$175.00	$95.00	$475.00
4	0-20 Drums	Disposal of AST Solids	$49.00	$980.00	$65.00	$1,300.00	$44.00	$880.00	$85.00	$1,700.00	$35.00	$700.00	$95.00	$1,900.00
5	0-1 Drum	Disposal of AST 11 Solids	$49.00	$49.00	$215.00	$215.00	$44.00	$44.00	$500.00	$500.00	$35.00	$35.00	$95.00	$95.00
6	0-16 Drums	Disposal of Varnish Tank Liquid	$49.00	$784.00	$100.00	$1,600.00	$44.00	$704.00	$85.00	$1,360.00	$35.00	$560.00	$110.00	$1,760.00
7	0-5 Drums	Disposal of Drill Cuttings	$49.00	$245.00	$65.00	$325.00	$44.00	$220.00	$85.00	$425.00	$35.00	$175.00	$95.00	$475.00
8	0-23 Drums	Disposal of AST/Process Line Liquids	$126.00	$2,898.00	$85.00	$1,955.00	$58.00	$1,334.00	$120.00	$2,760.00	$84.00	$1,932.00	$220.00	$5,060.00
9	0-5 Loads	Transportation of Line Item 1 via Vacuum Tanker	$1,465.00	$5,860.00	$1,400.00	$7,000.00	$1,335.00	$6,675.00	$1,525.00	$7,625.00	$854.00	$4,270.00	$1,450.00	$7,250.00
10	0-5 Hours	Vacuum Pumping Time	$0.00	$0.00	$85.00	$425.00	$60.00	$300.00	$0.00	$0.00	$98.00	$490.00	$115.00	$575.00
11	0-1 Load	Transportation of Line Items 2-8 via dedicated truck	$1,785.00	$1,785.00	$250.00	$250.00	$2,300.00	$2,300.00	$1,555.00	$1,555.00	$2,380.00	$2,380.00	$950.00	$950.00
12	0-2 Hours	Demurrage	$0.00	$0.00	$65.00	$130.00	$60.00	$120.00	$90.00	$180.00	$70.00	$140.00	$105.00	$210.00
List out additional charges identified on IFB by each vendor														
		Taxes												
		Other												
		Other												
		Other												
		Transportation Charges												
		Total Vendor Quotation		$18,916.00		$19,795.00		$19,352.00		$24,440.00		$34,587.00		$47,400.00
		Delivery ARO / Payment Terms												
		Ship VIA / FOB Point												
		Vendor Contact	Susan Schult		Paul DeGiulio		Gene Streiter		Jim Smith		Cord Trammell		Todd Sheaffer	
		Vendor Telephone	301-218-6607		201-741-7649		732-275-1616		330-856-8800		678-951-4426		540-529-5307	
		Vendor Fax	301-218-6612		973-691-7359		732-275-1661		330-856-8480		770-993-6929			

Sole or Single (Preferred) Source Justification	Competitive Source Selection Justification	Price Justification / Evaluation	Basis for P. O. Award
1. Only known source responded	1. Technically superior.*	1. Competitive quotation. (See above)	1. Technical Capability.
2. Only source meeting technical specifications or requirements.	2. *Low competitive bidder. (See above competitive quotes.)*	2. Catalog and/or published price list.*	*2. Fair and reasonable price.*
3. Only source compatible with existing equipment.	3. Only source meeting required delivery specifications.	3. Established market price.*	*3. Acceptable delivery schedule.*
4. Support services for existing vendor and/or equipment.	4. Compatibility with existing equipment.	4. Negotiated price.*	4. Sole and/or single source award.
5. Continuation of vendor rental and/or lease equipment.	5. Continuation of vendor furnished supplies and/or services.	5. Certification of price.	5. Competitive source selection.
6. Client preference.	6. Proximity of source.	6. Comparison with prior purchases.*	6. Compatibility with existing equipment.
7. Buyer's choice.	7. Standard catalog item.	7. Buyer's discretion.	7. Continuation of vendor furnished supplies/services.
8. Reorder of supplies and/or services.	8.	8. Blanket Purchase Agreement with qualified source.	8.

If applicable to IFB or RFP - Attach to Consent Package to Subcontract

Prepared By: Janelle Murphy, T&D Coordinator, KEMRON Environmental

Project Manager Consent: [signature] 4/20/12 Date: Friday, April 20, 2012

EPA OSC Consent: ERIC DAHY FOR USEPA 04/20/12 Date:

Date:

Appendix C – Statement of Work
(RETURN REQUIRED)

IFB No. SF1838-009

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	Env. Recovery Corp. Lancaster, PA	ChemTron Avon, OH
Treatment Facility(s) EPA I.D. Number(s)	none.	
Associated Line Item(s)	A	B-H
Method of Treatment	Wastetreat	fuel blend bulk to landfill
Storage Facility(s)		
Storage Facility(s) EPA I.D. Number(s)		
Associated Line Item(s)		
Disposal Facility(s)	Ross Incineration Grafton, OH	Systech Paulding, OH
Disposal Facility(s) EPA I.D. Number(s)	OHD048415665	OHD005048947
Associated Line Item(s)	– End point facilities after ChemTron	
Method of Disposal	Incineration	Energy Recovery Cement Kiln

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.

Susan M. Schultz

Signature of Subcontractor's Authorized Representative

4-20-12

Date

Appendix D – Rate Schedule
(RETURN REQUIRED)

IFB No. SF1838-009

D.1 Bidder's Price

For the Statement of Work described in Appendix C, **the price must be given in the format specified in this IFB. Any other format may cause your bid to be deemed non-responsive (pursuant to FAR 14.301).** The description for each line item is provided in the Statement of Work, Appendix C, Description.

Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$ 0.22	$ 4620.00
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$ 145.00	$ 1450.00
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$ 49.00	$ 245.00
D	Disposal of AST Solids	None	0-20	55 gallon drum	$ 49.00	$ 980.00
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$ 49.00	$ 49.00
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$ 49.00	$ 784.00
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$ 49.00	$ 245.00
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$ 126.00	$ 2898.00
I	Transportation of Line Item A via Vacuum Tanker	NA (6000 gal trucks)	~~0-5~~ 4	Load	$ 1465.00	$ 5860.00
J	Vacuum Pumping Time	NA	0-5	Hour	$ 0	$ 0
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$ 1785.00	$ 1785.00
L	Demurrage	NA	0-2	Hour	$ 0	$ 0
M	Tax (State, County/Local)	NA			—	$ —
	GRAND TOTAL					$ 18,916.00

*assume sludge-pourable

Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

Pricing must include all fees, fuel surcharges, costs of analysis, or any other costs, which may be involved in the normal course of transporting this waste to the designated facility, for accepting this type of waste into the facility, and for performing the treatment and disposal of this waste.

*non-processable drums will be surcharged.

D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company.** The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

Appendix D – Rate Schedule
(RETURN REQUIRED)

IFB No. SF1838-009

Capitol Environmental Services, Inc.
Bidding Company's Name

Susan M. Schult 4-20-12
Bidder's Signature Date

Susan M. Schult, Business Manager
Bidder's Printed Name and Title

****Note: Modifications to the bid form may deem you unresponsive and the bid will be disqualified. Therefore, include pricing on each of the line items, per the unit(s), and shown and described in the Statement of Work.**

KEMRON subcontracts are fixed rate ID/IQ and therefore there is no contract, subcontract, or FAR clause or mechanism that allows us to change these fixed rates unless the scope of work changes. Vendors must bid the projects with the current trends in fuel prices in mind. There cannot be variable rates based on the variable fuel rates, no sliding scale (like 20-30% surcharge, has to be 20% or 30%, can't be either/or). This rate MUST be effective for the entire length of this project.

Fees and Surcharges
If fees and surcharges are applicable, please list them below. Fees and surcharges are to be included in the unit rates but must be broken out and listed below.

Description	Amount
Fuel Surcharg Transport	30-35%

C.3 SCHEDULE

Off-site transportation and disposal will begin immediately upon award of this IFB and approval of associated waste profiles. Waste must be off site no later than May 4, 2012. See Section C.4.5, Liquidated Damages, below for penalties associated with missing this schedule.

C.4 CERCLA COMPLIANCE

The facility(s) accepting the waste must be in compliance with the CERCLA Off-Site Disposal Rule (40 CFR 300.440 as stated in Federal Register Vol. 58, No. 182, dated September 22, 1993) and must have all required permits. All intermediate facility(s), Treatment, Storage, and Disposal facility(s) (TSDF) at which waste stops en route to the final disposal facility must also be in compliance with the Off-Site Policy. If, at anytime during the duration of this contract, the TSDF or ultimate disposal facility(s) receive notice that it is not or may not be in compliance with the CERCLA Off-Site Disposal Rule, the subcontractor must notify KEMRON Environmental Services' Project Manager immediately in writing. In any event, KEMRON Environmental Services, Inc. shall have the right to unilaterally terminate this contract.

C.4.2 DELIVERABLES

The subcontractor must supply the KEMRON response manager with the following documentation:

C.4.2.1 Manifest

12/21/2011

Kemron Environmental Services
1359-A Ellsworth Industrial Boulevard
Atlanta, GA 30318
Attn: Janelle Murphy
jmurphy@kemron.com

Dear Janelle,

Veolia Environmental Services is pleased to submit our response to RFP SF1838-009.

All work performed will be in strict compliance with all federal, state and local regulations and laws. Kemron and the waste generator must also comply with all applicable laws and regulations pertaining to generators of chemical wastes. Veolia requires a completed profile for all waste shipped and will not accept improperly identified or unidentified materials. Should waste materials be found to be non-conforming to the profile, additional charges may be incurred.

The foregoing is an estimate only. Actual costs are contingent upon waste analysis, completion of a Waste Information Profile, disposal site approval, total material removed, freight, labor, material and equipment utilized. This estimate is valid for thirty days. If you require additional time for evaluation or have any questions regarding the above, please feel free to call me at (732) 469-5100 ext 226.

Sincerely,

Paul F. DeGiulio MS, CHMM
Account Manager

Contract Exceptions and Comments:

Veolia would like to request that the following changes be made to the contract terms and conditions:

Article 2.1, Payments – The payment terms are pay when paid. Because of the short term of the agreement, likely this won't get changed.

Article 3.3, Indemnification – Even with a short term on the agreement we need to request deletion of the word, "sole" in the third to the last line.

Article 3.8, Warranties... - Even with a short term on the agreement, we need to request inclusion of the following language since it directly affects the work. Insert the following language as paragraph 2:

"Environmental Considerations. Notwithstanding any other provisions in the Agreement between the parties, if the event the services involves the transportation and disposal of hazardous waste, the following environmental provisions shall apply:

As agent for the generator, you warrant that the Profile Sheet will contain a true and correct description of the Waste Materials and that such Waste Materials will conform to this description. If the Waste Materials do not conform to the descriptions in the Profile Sheet (Non-Conforming Waste), Seller can, at its option, return the Waste Materials to Buyer or require Buyer to remove and dispose of the non-conforming waste at Buyer's expense, and reimburse Seller for any expenses Seller may have incurred. In the event Seller performs services on premises owned or controlled by Buyer, Buyer will provide Seller with a safe workplace, and if Seller requests that work areas be secured, Buyer will be solely responsible for securing such work areas and for preventing anyone other than designated personnel from entering the designated work areas. Seller shall take title to Buyer's waste materials which conform to the descriptions and specifications stated in the Profile Sheet upon completion of loading into Seller's transportation vehicles, or if transported by Buyer, upon acceptance at the Facility."

Article 3.10 – The customer requires the additional insured endorsement as well as a waiver of subrogation. **Requires a business decision to provide it.** If the decision is made TO provide the additional insured; okay. If the decision is made NOT to provide the waiver of subrogation, we need to request the deletion of the second sentence in its entirety.

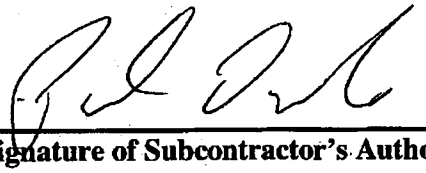
Article 7.4, Dispute Resolution – Note there is binding arbitration associated with any subsequent contract. Binding arbitration likely takes the decision process out of the control of the parties at odds and is decided independently.

Veolia ES Technical Solutions, L.L.C.
125 Factory Lane, Middlesex, NJ 08846
Tel: (732) 469-5100 ext 226 • Fax: (973) 691-7359
www.veoliaes.com

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	**Environmental Recovery Corp.**
Treatment Facility(s) EPA I.D. Number(s)	**PAD987266749**
Associated Line Item(s)	**A, C, D, G**
Method of Treatment	**A= WWT; C,D,G = LANDFILL**
Storage Facility(s)	**Veolia ES Technical Solutions, LLC**
Storage Facility(s) EPA I.D. Number(s)	**NJD980536593**
Associated Line Item(s)	**C, D, G**
Disposal Facility(s)	**Veolia ES Technical Solutions, LLC**
Disposal Facility(s) EPA I.D. Number(s)	**NJD002454544**
Associated Line Item(s)	**B, E, F, H**
Method of Disposal	**Fuels Blending**

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.



Signature of Subcontractor's Authorized Representative

4/20/12

Date

D.1 Bidder's Price

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Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$0.22	$4,620.00
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$165.00	$1,650.00
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$65.00	$325.00
D	Disposal of AST Solids	None	0-20	55 gallon drum	$65.00	$1,300.00
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$215.00	$215.00
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$100.00	$1600.00
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$65.00	$325.00
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$85.00	$1955.00
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$1400.00	$7,000.00
J	Vacuum Pumping Time	NA	0-5	Hour	$85.00	$425.00
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$250.00	$250.00
L	Demurrage	NA	0-2	Hour	$65.00	$130.00
M	Tax (State, County/Local)	NA			none	none
	GRAND TOTAL					$19,795.00

Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

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D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company**. The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

Veolia ES Technical Solutions, L.L.C.

Bidding Company's Name

Bidder's Signature

4/20/12

Date

Paul DeGiulio. Account Manager

Bidder's Printed Name and Title

SeaCoast Environmental Services, Inc.
716 Newman Springs Road, PMB 292
Lincroft, New Jersey 07738
732-275-1616 Fax 732-275-1661
streiterseacoast@aol.com

April 20, 2012

Kemron Environmental Services, Inc.
1359-A Ellsworth Industrial Blvd
Atlanta, GA 30318
Attn: Ms. Janelle Murphy

Re: RFP SE1838-009 (Riverside Ave Newark)

Dear Ms. Murphy:

Please see our attached offering for the above referenced project, removal and disposal of hazardous and nonhazardous wastes. The bulk water will be shipped to Environmental Recovery Corp., Lancaster, PA while the drums will be shipped to Giant Resource Recovery-Sumter, Inc., Sumter, SC.

Should you have any questions or comments please contact me at your convenience.

Very truly yours,

Eugene R. Streiter
SeaCoast Environmental Services, Inc.

Riversideapr12\kemron\lett2012

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	ENVIRONMENTAL RECOVERY CORP
Treatment Facility(s) EPA I.D. Number(s)	PA DEP 301344
Associated Line Item(s)	A
Method of Treatment	TREAT TO DISCHARGE
Storage Facility(s)	SAME
Storage Facility(s) EPA I.D. Number(s)	SAME
Associated Line Item(s)	SAME
Disposal Facility(s)	SAME
Disposal Facility(s) EPA I.D. Number(s)	SAME
Associated Line Item(s)	SAME
Method of Disposal	SAME

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.

Signature of Subcontractor's Authorized Representative

4/20/12
Date

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	Giant Resource Recovery- Sumter Inc
Treatment Facility(s) EPA I.D. Number(s)	SCD 036 275 626
Associated Line Item(s)	B, H
Method of Treatment	Fuels Blend
Storage Facility(s)	Same
Storage Facility(s) EPA I.D. Number(s)	Same
Associated Line Item(s)	Same
Disposal Facility(s)	Same
Disposal Facility(s) EPA I.D. Number(s)	432675-2001
Associated Line Item(s)	B, 17
Method of Disposal	Fuel

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Signature of Subcontractor's Authorized Representative

4/20/12
Date

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	Giant Resource Recovery-Sumter, Inc
Treatment Facility(s) EPA I.D. Number(s)	SCD 036 275 626
Associated Line Item(s)	C – G
Method of Treatment	Bulk To Landfill
Storage Facility(s)	Same
Storage Facility(s) EPA I.D. Number(s)	Same
Associated Line Item(s)	Same
Disposal Facility(s)	Richland County Landfill (WM)
Disposal Facility(s) EPA I.D. Number(s)	402 401 – 1101
Associated Line Item(s)	Same
Method of Disposal	Landfill

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.

Signature of Subcontractor's Authorized Representative

4/20/12

Date

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Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$ 0.225	$ 4672.50
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$ 183	$ 1830.00
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$ 44	$ 220.00
D	Disposal of AST Solids	None	0-20	55 gallon drum	$ 44	$ 880.00
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$ 44	$ 44.00
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$ 44	$ 704.00
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$ 44	$ 220.00
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$ 58	$ 1334.00
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$ 1335	$ 6675.00
J	Vacuum Pumping Time	NA	0-5	Hour	$ 60	$ 300.00
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$ 2300	$ 2300.00
L	Demurrage	NA	0-2	Hour	$ 60	$ 120.00
M	Tax (State, County/Local)	NA			Included	$ —
	GRAND TOTAL					$ 19299.50

Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

Pricing must include all fees, fuel surcharges, costs of analysis, or any other costs, which may be involved in the normal course of transporting this waste to the designated facility, for accepting this type of waste into the facility, and for performing the treatment and disposal of this waste.

D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company.** The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

SEACOAST ENVIRONMENTAL SERVICES, INC

Bidding Company's Name

Bidder's Signature

4/20/12

Date

EUGENE R. STRATEN

Bidder's Printed Name and Title

1.0
Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	**Env Recovery Corp/BridgeportUnited/Cycle Chem**
Treatment Facility(s) EPA I.D. Number(s)	**PAD987266749/ CTD002593887/ NJD002200046**
Associated Line Item(s)	**A, I/C,D,F,G/B,E, H**
Method of Treatment	**WWT/Solidify Landfill/Fuels Blend,Incin**
Storage Facility(s)	
Storage Facility(s) EPA I.D. Number(s)	
Associated Line Item(s)	
Disposal Facility(s)	
Disposal Facility(s) EPA I.D. Number(s)	
Associated Line Item(s)	
Method of Disposal	

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Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$.21*	$4410
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$350	$3500 R01
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$85	$425
D	Disposal of AST Solids	None	0-20	55 gallon drum	$85	$1700
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$500	$500 R102
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$85	$1360
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$85	$425
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$120	$2760 IK
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$1525	$7625
J	Vacuum Pumping Time	NA	0-5	Hour	$0	$0
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$1555	$1555
L	Demurrage	NA	0-2	Hour	$90	$180
M	Tax (State, County/Local)	NA				$incl
	GRAND TOTAL					$24440

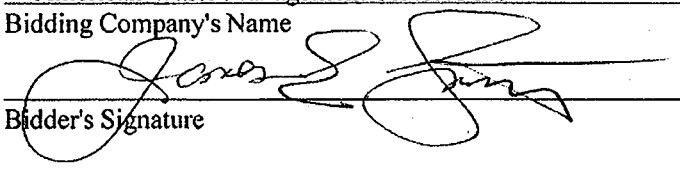
Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

Pricing must include all fees, fuel surcharges, costs of analysis, or any other costs, which may be involved in the normal course of transporting this waste to the designated facility, for accepting this type of waste into the facility, and for performing the treatment and disposal of this waste.

D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company.** The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

American Waste Management Services Inc
Bidding Company's Name



Bidder's Signature

4/20/12
Date

James E Smith VP Disposal Sales
Bidder's Printed Name and Title

*Disposal minimum 1000 gallons per load; Solids<5%, TOX <1000 ppm,

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	CYCLE CHEM
Treatment Facility(s) EPA I.D. Number(s)	
Associated Line Item(s)	A
Method of Treatment	NON HAZ WASTE WATER TREATMENT
Storage Facility(s)	N/A
Storage Facility(s) EPA I.D. Number(s)	N/A
Associated Line Item(s)	A
Disposal Facility(s)	CYCLE CHEM
Disposal Facility(s) EPA I.D. Number(s)	
Associated Line Item(s)	A
Method of Disposal	NON HAZ WASTE WATER TREATMENT

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.

Signature of Subcontractor's Authorized Representative

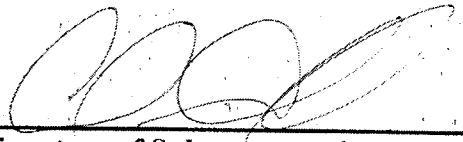
4/20/12

Date

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s)	EQ DETROIT
Treatment Facility(s) EPA I.D. Number(s)	MID 980 991 566
Associated Line Item(s)	B – H
Method of Treatment	FUELS BLEND / SOLIDIFICATION
Storage Facility(s)	N/A
Storage Facility(s) EPA I.D. Number(s)	N/A
Associated Line Item(s)	N/A
Disposal Facility(s)	EQ DETROIT
Disposal Facility(s) EPA I.D. Number(s)	MID 980 991 566
Associated Line Item(s)	B-H
Method of Disposal	FUELS BLEND / SOLIDIFICATION

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.



Signature of Subcontractor's Authorized Representative

4/20/12

Date

D.1 Bidder's Price

For the Statement of Work described in Appendix C, **the price must be given in the format specified in this IFB. Any other format may cause your bid to be deemed non-responsive (pursuant to FAR 14.301).** The description for each line item is provided in the Statement of Work, Appendix C, Description.

Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$ 1.09	$ 22,890
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$ 84	$ 840
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$ 35	$ 175
D	Disposal of AST Solids	None	0-20	55 gallon drum	$ 35	$ 700
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$ 35	$ 35
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$ 35	$ 560
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$ 35	$ 175
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$ 50* / 84*	$ 1150 / 1932
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$ 854	$ 4,270
J	Vacuum Pumping Time	NA	0-5	Hour	$ 98*	$ 392
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$ 2,380	$ 2380
L	Demurrage	NA	0-2	Hour	$ 70	$ 140
M	Tax (State, County/Local)	NA				$
	GRAND TOTAL					$ 33,707 / 34,489

* > 500 BTU
* < 500 BTU

1 HR FREE

* DEPENDING ON LINE ITEM H ADDED

Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

Pricing must include all fees, fuel surcharges, costs of analysis, or any other costs, which may be involved in the normal course of transporting this waste to the designated facility, for accepting this type of waste into the facility, and for performing the treatment and disposal of this waste.

D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company.** The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

EQ - THE ENVIRONMENTAL QUALITY COMPANY

Bidding Company's Name

Bidder's Signature

4/20/12

Date

CHAD TEMMELL - ACCOUNT EXECUTIVE

Bidder's Printed Name and Title

****Note: Modifications to the bid form may deem you unresponsive and the bid will be disqualified. Therefore, include pricing on each of the line items, per the unit(s), and shown and described in the Statement of Work.**

KEMRON subcontracts are fixed rate ID/IQ and therefore there is no contract, subcontract, or FAR clause or mechanism that allows us to change these fixed rates unless the scope of work changes. Vendors must bid the projects with the current trends in fuel prices in mind. There cannot be variable rates based on the variable fuel rates, no sliding scale (like 20-30% surcharge, has to be 20% or 30%, can't be either/or). This rate MUST be effective for the entire length of this project.

Fees and Surcharges

If fees and surcharges are applicable, please list them below. Fees and surcharges are to be included in the unit rates but must be broken out and listed below.

Description	Amount
EQ HAS COMPLIED WITH THE TERMS & CONDITIONS	
OF THIS BID & HAVE INCLUDED APPLICABLE	
FUEL SURCHARGES HOWEVER RATES ARE	
BASED ON DOE WEEKLY AVG AND MAY	
ADJUST ACCORDINGLY	

C.3 SCHEDULE

Off-site transportation and disposal will begin immediately upon award of this IFB and approval of associated waste profiles. Waste must be off site no later than May 4, 2012. See Section C.4.5, Liquidated Damages, below for penalties associated with missing this schedule.

C.4 CERCLA COMPLIANCE

The facility(s) accepting the waste must be in compliance with the CERCLA Off-Site Disposal Rule (40 CFR 300.440 as stated in Federal Register Vol. 58, No. 182, dated September 22, 1993) and must have all required permits. All intermediate facility(s), Treatment, Storage, and Disposal facility(s) (TSDF) at which waste stops en route to the final disposal facility must also be in compliance with the Off-Site Policy. If, at anytime during the duration of this contract, the TSDF or ultimate disposal facility(s) receive notice that it is not or may not be in compliance with the CERCLA Off-Site Disposal Rule, the subcontractor must notify KEMRON Environmental Services' Project Manager immediately in writing. In any event, KEMRON Environmental Services, Inc. shall have the right to unilaterally terminate this contract.

C.4.2 DELIVERABLES

The subcontractor must supply the KEMRON response manager with the following documentation:

C.4.2.1 Manifest

From: Sheaffer, Todd E
To: Janelle Murphy
Subject: RE: Riverside Avenue IFB SF1838-009 Transportation and Disposal of Hazardous and Non-Hazardous Material
Date: Friday, April 20, 2012 8:22:07 AM

Good morning Janelle, please note the below pricing document in regards to the above listed IFB. Thank you for considering Clean Harbors Environmental Services, Inc. for your waste management needs. Clean Harbors has the appropriate permits and licenses for the acceptance and disposal of the waste streams identified within this quotation. Please let me know if you have any questions or need anything else.

Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$1.25	$
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$2.40	$
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$95	$
D	Disposal of AST Solids	None	0-20	55 gallon drum	$95	$
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$95	$
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$110	$
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$95	$
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$220	$
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$1450	$
J	Vacuum Pumping Time	NA	0-5	Hour	$115	$
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$950	$
L	Demurrage	NA	0-2	Hour	$105	$
	A variable Recovery Fee (that fluctuates with the DOE national average diesel price), currently at 18.0%, will be applied to the total invoice.					$
	GRAND TOTAL					$ 47,400.00

General Conditions:

A variable Recovery Fee (that fluctuates with the DOE national average diesel price), currently at

18.5% will be applied to the total invoice.

Electronically submitted profiles will be approved at no charge. Paper profiles will be charged at $75.00 each.

The above listed disposal pricing is contingent upon an approved profile or analytical if required. This proposal is submitted contingent upon the right to negotiate mutually acceptable contract terms and conditions, which are reflective of the work contemplated in the Request for Proposal documents, and an equitable distribution of the risks involved therein. It is assumed that in submitting this proposal, Clean Harbors will not be liable for damage or injuries to the extent the same are directly attributable to the willful misconduct or negligence of Contractees. In the event that such agreement cannot be reached, Clean Harbors reserves the right to decline to enter into such an agreement without prejudice or penalty.

✓SAFETYFIRST!

Todd E. Sheaffer
Vertical Account Manager - Engineering & Consulting
Clean Harbors Environmental Services
208 Watlington Industrial Drive
Reidsville, NC 27320
Mobile/Phone: 540.529.5307
Email: sheaffer.todd@cleanharbors.com
Web: www.cleanharbors.com

From: Janelle Murphy [mailto:jmurphy@kemron.com]
Sent: Friday, April 13, 2012 1:13 PM
To: Sheaffer, Todd E
Subject: Riverside Avenue IFB SF1838-009 Transportation and Disposal of Hazardous and Non-Hazardous Material
Importance: High

KEMRON has been tasked with the transportation and disposal of hazardous and non-hazardous material at the Riverside Avenue Site located in Newark, New Jersey. We invite your company to submit a bid for work on this project in accordance with the attached bid documents.

Please submit your bid by completing the appropriate portions of the enclosed IFB Response Package and submitting it to the address indicated thereon before 12:00 p.m. on April 20, 2012.

Thx,
Janelle

Janelle Murphy
Transportation and Disposal Coordinator
404-601-6939 (direct) 404-808-3769 (mobile)
jmurphy@kemron.com

KEMRON Environmental Services Inc.
1359-A Ellsworth Industrial Blvd
Atlanta, GA 30318
404-636-0928 (office) 404-636-7162 (fax)

Visit us at www.kemron.com

Know Safety, No Accidents


Before printing, think about ENVIRONMENTAL responsibility

INVITATION FOR BID (IFB)

RFP No.: SF1838-009 **Date:** April 13, 2012

Site Name: Riverside Avenue Site

Site Location: 29 Riverside Avenue, Newark, New Jersey 07104

Short Scope: Transportation and Disposal of Hazardous and Non-Hazardous Material

TABLE OF CONTENTS

Response must be returned by:

Date: **Friday, April 20, 2012**
Time: **12:00 pm Eastern Standard Time**

Location: **KEMRON Environmental Services**
1359-A Ellsworth Industrial Boulevard
Atlanta, GA 30318
Attention: Janelle Murphy

Or email responses to jmurphy@kemron.com

1.0 INSTRUCTIONS TO BIDDERS

1.1 Statement of Work (See Appendix C for detailed scope):

KEMRON Environmental Services, Inc. is a prime contractor for the U.S. EPA Region II, at the Riverside Avenue Site, located in Newark, New Jersey. KEMRON is soliciting pricing from vendors for the transport and disposal of hazardous and non-hazardous material. This work must be completed in accordance with all applicable federal, state, and local regulations.
Period of Performance: 4/20/2012 to 5/16/2012

1.2 Facsimile Bids are Acceptable – Please fax to (404) 636-7162–or e-mail to jmurphy@kemron.com – Attention Janelle Murphy

You must include the following documents in order to be considered:

- KEMRON Service Agreement & Subcontractor Safety Performance Questionnaire
- Appendix B, Attachment 2 *(Representations and Certifications)*
- Appendix B, Attachment 3 *(Vendor Responsibility Certification)*
- Appendix D *(Rate Schedule)*

If preferred, you may mail those bids to the address listed on the front of this IFB. Please make sure mailed bids arrive by the due date. ***Due Date/Time for Submitting Bid: April 20, 2012 at 12:00 pm Eastern Standard Time***

1.3 Questions

Questions may arise regarding this RFP. Complete the Questions Form for each question. Submit written questions to Janelle Murphy at the fax number below or via e-mail jmurphy@kemron.com and we will respond to each written question and deliver the response to all potential bidders, as appropriate.

Fax Number: **(404) 636-7162**

Due Date/Time (for Questions): April 19, 2012 by 3:00 p.m. Eastern Standard Time

1.4 Type of Contract To Be Awarded

- ☐ Fixed Price Supply (FP-SUP) Definite Quantity
- ☐ Fixed Price Supply (FP-SUP) Indefinite Quantity
- ☐ Fixed Price Service (FP-SVC) Definite Quantity
- ☒ Fixed Price Service (FP-SVC) Indefinite Quantity
- ☐ Fixed Price Construction (FP-CON)
- ☐ Time and Materials/Labor Hours (T&M LH)

1.5 Number of Awards (Please note that KEMRON has the right to refuse all bids.)

	Pick One
Multiple awards possible	

1.6 Pre-Bid Meeting

Mandatory?	Yes:	**No: X**
Scheduled For:	Date:	Time:
Not to be held:	X	

Appendix A
Special Provisions

Payment Provisions Addendum: (Applicable to All Subcontracts)

The Subcontractor may submit invoices not more frequently than monthly. The Subcontractor's invoices shall include applicable units (e.g. per ton – all inclusive, feet, hours, each) with corresponding rates as detailed in Appendix D, Rate Schedule for work rendered and accepted during the invoice billing period.

Option to Extend Agreement: (Applicable to all Subcontracts)

The Company shall have the right to extend the Agreement Period of Performance by giving the Subcontractor written notice before the end of the Current Agreement Period.

Anticipated Order Quantities: (Applicable to Indefinite Quantity Subcontracts)

This is an indefinite quantity contract for the supplies or services specified in Appendix C, Statement of Work, and effective for the period stated above. The Company shall award a minimum of $ 0.00 (zero) dollars and may award up to a maximum of $ to be determined worth of services against this Agreement.

Warranties: (Applicable to Analytical Lab Subcontracts)

Subcontractor will use analytical methodologies which are in substantial conformity with U.S. Environmental Protection agency (EPA), state agency, American Society for Testing and Materials (ASTM), Association of Official Analytical Chemists (AOAC), Standard Methods for the Examination of Water and Wastewater, or other recognized methodologies, where applicable. With Company's prior approval, Subcontractor may deviate from these methodologies if necessary or appropriate due to the nature or composition of the sample or otherwise based on the reasonable judgment of Subcontractor, which deviations, if any, will be made on a basis consistent with recognized standards of the industry and/or Company's Quality Assurance Program Plan and referenced Standard Operating Procedures, or any Project C00 Plan agreed to at the time of performance of the Work. Where any deviations are deemed necessary, Subcontractor shall first obtain Company's prior written approval for such deviation.

Subcontractor will initiate preparation and/or analysis of samples within holding times specified in Company's Quality Assurance Program Plan, provided that Sample Delivery Acceptance occurs within 48 hours of sample collection. In cases where holding times are less than 48 hours, the Subcontractor will exercise due diligence to complete the analysis as quickly as possible, but will not be held responsible for meeting this requirement. In situations where the Subcontractor believes that the delays are excessive and may affect data quality, the Company will be notified, whereas a determination will be made whether or not to proceed with the analysis. This will be confirmed in writing and agreed upon by both parties, in which case the Company will waive any negligent claim for this analysis under the articles of this Agreement.

The liability and obligations of Subcontractor, and the remedies of Company in connection with any services performed by Subcontractor, will be limited to repeating such services, or refunding in full or in part fees paid by Company for such services. Subcontractor's obligations to repeat any services with respect to any samples will be contingent (with the exception below) on Company's providing, at the request of Subcontractor and at Company's expense, additional samples, if necessary. Any reanalysis request by Company generating results consistent with the original results will be at Company's expense. In the event that Subcontractor can demonstrate that sample matrix interference is the primary cause of nonconformance to Subcontractor's warranties above, as set forth in Subcontractor's Quality Assurance Program Plan, these remedies are not available.

The exception to the contingency above is as follows: Subcontractor will reimburse Company for reasonable re-sampling costs where reanalysis is necessary due to laboratory contamination above levels acceptable as stated in the Quality Assurance Program Plan, or failure to comply with the Statement of Work or the QA/QC documents which are complete and agreed to at the time of the performance of the Work. Subcontractor will not be responsible for re-sampling where requirements change subsequent to the performance of the work which result, directly, in whole, or in part, from any cause or circumstance beyond the reasonable control of Subcontractor. Such causes and circumstances include, but are not limited to, acts of God, acts of Client, acts or orders of any governmental authority, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, or any other cause beyond Subcontractor's reasonable control. Associated cost estimates for the re-sampling shall be defined by the Company. The Subcontractor shall have the right to address the cost estimates in accordance with Article 21, "Disputes" clause of this Agreement.

These warranties are the sole and exclusive warranties, express or implied, given by Subcontractor in connection with any services performed by Subcontractor, or any results generated from such services.

Liens: (Applicable to Construction Subcontracts)

a. **Warranty**: Subcontractor warrants that title to all Work performed shall pass to Company either by incorporation in the construction or upon Subcontractor's receipt of payment, whichever occurs first, free and clear of all liens, claims, security interests, or encumbrances. Subcontractor shall keep all Work performed and the Property at which such Work was performed free and clear of all liens arising out of the performance of Work.

b. **Removal of Liens**: Within ten (10) days after written demand by Company to remove any lien or notice of suit or other proceeding from any property, and such lien arises from or is connected with the Work of any other acts or omissions of Subcontractor, including without limitation, Subcontractor's failure to promptly pay its Subcontractors, Subcontractor shall cause any such lien or notice to be removed as a matter of record against the title of the property. If Subcontractor shall fail to cause any such lien or notice to be expunged within such time period, Company shall be entitled to use whatever means in its discretion it may deem appropriate to cause such lien, suit, or notice connection with such removal or dismissal, together with all reasonable attorney's fees shall be immediately due and payable to Company by Subcontractor and may be set off against any payments due to Subcontractor.

c. Subcontractor shall indemnify and hold harmless Company from all claims, demands, causes of action or suits of whatever nature arising out of the services, labor, and materials furnished by Subcontractor or its Subcontractor(s) under this Agreement; from all laborer's, material men's, and mechanics' liens upon the real property upon which the Work is located, arising out of the services, labor, and materials furnished by Subcontractor or any of its Subcontractor(s) under this Agreement; shall keep said property free and clear of liens, claims, and encumbrances arising from the performance of the Agreement by Subcontractor or its Subcontractor(s).

Excusable Delays: (Applicable to Construction Subcontracts)

The Subcontractor shall not be liable for damages, including liquidated damages, if any, for delays in performance or failure to perform due to causes beyond the reasonable control and without the fault or negligence of the Subcontractor. Such causes include, but are not limited to, acts of God, acts of the public enemy, acts of federal, state, or local governments or agencies, acts of environmental groups, delays caused by reasonable safety concerns, court orders, fires, floods, epidemics, strikes, embargoes, unusually severe

weather, or direction of the Company's Subcontract Representative. This Subcontract shall be extended on a day-for-day basis for delays due to such causes.

Performance and Payment Bonds: *(Required on ALL jobs over $250,000.00)*
At the request of the EPA the Subcontractor may need to furnish performance and payment bonds to the Company within 10 calendar days of the effective date of this Agreement. The bonds shall each be in the full amount of the Subcontract Price and shall be provided on AIA Subcontract Performance Bond Form A and corresponding AIA Subcontract Labor and Material Bond form, or equivalent. The surety securing these bonds must be listed in the most recently issued publication of Department of the Treasury Circular 570, licensed to provide bonds in the State in which the Work is to be done, the underwriting limitation specified for the Surety in the circular must be greater than the full amount of the contract awarded and the surety must otherwise be satisfactory to the Company. The actual cost of the performance and payment bonds will be reimbursed in accordance with the amount specified in the Subcontractors proposal, or if not specified in the proposal, at cost provided such reimbursement shall not exceed the cost of bonds at the Standard Surety Association Rates. If the surety for any bond furnished by the Subcontractor files bankruptcy papers or is declared bankrupt, or its right to do business is terminated, the Subcontractor shall within seven calendar days furnish at no additional cost a replacement bond with a surety acceptable to the Company.

Waste Generator: (Applicable to All Subcontracts)

The Client is the generator of the waste and shall be so identified on the manifest and all documents associated with the waste. It is understood that KEMRON and the Subcontractor are not the generator of any hazardous or toxic substances found, treated, or removed under this Subcontract, and KEMRON and the Subcontractor shall not be identified as such under any circumstances.

Appendix B
General Provisions

Attachment 1
Flow Down Clauses

FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (JUN. 1988)

This Subcontract incorporates the clauses listed below by reference. The clauses in this Section are based on provisions in FAR/EPAAR requirements and are incorporated by reference with the same force and effect as if they were given in full text. Upon request KEMRON will make the full text available. Revisions applicable to these clauses are noted.

Also, the full text of a clause may be accessed electronically at this/these address (es):

FAR Clauses: http://www.acquisition.gov/far

EPAAR Clauses: http://www.epa.gov/oamrfpl2/ptod/epaar

1. The terms "Government", and "Contracting Officer" as used in the following clauses shall be deemed to refer to KEMRON and KEMRON's Subcontract Representative, respectively; the term "Contractor" shall be deemed to refer to Subcontractor; the term "contract" shall mean this Subcontract; and the term "subcontract" shall be deemed to mean lower tier Subcontractor's subcontract(s). It is intended that the referenced clauses shall apply to Subcontractor in such manner as is necessary to reflect the position of Subcontractor as a subcontractor to KEMRON, to insure Subcontractor's obligations to KEMRON and to its Client (US Environmental Protection Agency), and to enable KEMRON to meet its obligations under its Prime Contract.

2. The term "FAR" means the Federal Acquisition Regulations and the term "EPAAR" means the Environmental Protection Agency Acquisition Regulations Supplement.

1. APPLICABLE TO ALL ORDERS

FAR REF. NUMBER	DATE	CLAUSE TITLE
52.202-1	Jul 2004	Definitions
52.203-3	Apr 1984	Gratuities - In subpar a. (a)(1), add KEMRON after Government.
52.203-5	Apr 1984	Covenant Against Contingent Fees
52.204-9	Nov 2006	Personal Identity Verification of Contractor Personnel
52.215-17	Oct 1997	Waiver of Facilities Capital Cost of Money
52.215.19	Oct 1997	Notification of Ownership Changes
52.216-7	Dec 2002	Allowable Cost and Payment
52.216-18	Oct 2005	Ordering
52.216-22	Oct 1995	Indefinite Quantity
52.217-8	Nov 1999	Option to Extend Services
52.219-4	Jul 2005	Notice of Price Evaluation Preference for HUB Zone Small Business Concerns
52.216-19	Dec 1996	Limitations on Subcontracting
52.222-21	Feb 1999	Prohibition of Segregated Facilities
52.222-39	Dec 2004	Notification of Employee Rights Concerning Payment of Union Dues or Fees
52.222-42	May 1989	Statement of Equivalent Rates for Federal Hires
52.223-7	Jan 1997	Notice of Radioactive Materials
52.223-9	Aug 2000	Estimate of Percentage of Recovered Material Content for EPA-Designated Products.
52.225-3	Jan 1994	Buy American Act—Supplies
52.225-13	Feb 2006	Restrictions on Certain Foreign Purchases

Attachment 1
Flow Down Clauses

FAR REF. NUMBER	DATE	CLAUSE TITLE
52.227-14	Jun 1987	Rights in Data-General, Alternate II (Jun 1987) , Alternate III (Jun 1987), Alternate V (June 1987)
52.227-16	Jun 1987	Additional Date Requirements
52.227-17	Jun 1987	Rights in Data-Special Works
52.232-8	Feb 2002	Discounts for Prompt Payment
52.232-17	Jun 1996	Interest
52.232-23	Jan 1986	Assignment of Claims
52.232-25	Oct 2003	Prompt Payment
52.233-3	Aug 1996	Protest After Award
52.233-4	Oct 2004	Applicable Law for Breach of Contract Claim
52.242-1	Apr 1984	Notice of Intent to Disallow Costs
52.242-3	May 2001	Penalties for Unallowable Costs
52.243-3	Sept 2000	Changes – Time and Materials or Labor-Hours
52.244-2	Aug 1998	Subcontracts
52.249-6	May 2004	Termination (Cost Reimbursement) Alternate IV (Sept 1996)
52.249-14	Apr 1984	Excusable Delays
52.252-2	Feb 1998	Clauses Incorporated by Reference
52.252-6	Apr 1984	Authorized Deviations in Clauses
52.253-1	Jan 1991	Computer Generated Forms

2. APPLICABLE TO ALL ORDERS OVER $2,500

52.222-1	Feb 1997	Notice to the Government of Labor Disputes
52.222-3	Jun 2003	Convict Labor
52.222-36	June 1998	Affirmative Action for Workers with Disabilities
52.222-41	Jul 2005	Service Contract Act of 1965 as Amended
52.222-43	Nov 2006	Fair Labor Standards Act and Service Contract Act-Price Adjustment (Multiple Years and Option Contracts)

3. APPLICABLE TO ALL ORDERS OVER $10,000

52.215-2	Jun 1999	Audit and Records - Negotiation
52.215-2	March 2009	Alternate I
52.222-26	Apr 2002	Equal Opportunity
52.222-35	Sep 2006	Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era – and Other Eligible Veterans
52.222-37	Sept 2006	Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era – and Other Eligible Veterans

4. APPLICABLE FOR ALL ORDERS OVER $25,000

52.203-10	Jan 1997	Price or Fee Adjustment for Illegal or Improper Activity
52.209-6	Sept 2006	Protecting the Government's Interest when Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment
52.219-8	May 2004	Utilization of Small Business Concerns
52.223-3	Jan 1997	Hazardous Material Identification and Material Safety Data Alternate I (Jul 1995)
52.223-6	May 2001	Drug Free Workplace

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52.242-13	Jul 1995	Bankruptcy
52.244-5	Dec 1996	Competition in Subcontracting
52.244-6	Mar 2007	Subcontracts for Commercial Items
52.246-25	Feb 1997	Limitation of Liability-Services
52.251-1	Apr 1984	Government Supply Sources

5. APPLICABLE TO ALL ORDERS OVER $100,000

52.203-6	Sept 2006	Restrictions on Subcontractor Sales to Government - In para. (a), Government means Government and in the fifth line add "or KEMRON" after Government.
52.203-7	Jul 1995	Anti-Kickback Procedures
52.203-8	Jan 1997	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity
52.203-12	Sept 2005	Limitation on Payments to Influence Certain Federal Transactions
52.204-4	Aug 2000	Printing or Copied Double Sided on Recycled Paper
52.222-4	Jul 1995	Contract Work Hours and Safety Standards Act (Overtime Compensation)
52.223-2	Apr 1984	Clean Air and Water
52.223-14	Aug 2003	Toxic Chemical Release Reporting
52.227-1	Jul 1995	Authorization and Consent in which Government means Government.
52.227-2	Aug 1996	Notice and Assistance Regarding Patent and Copyright Infringement - Government means Government.
52.229-3	Jan 1991	Federal, State and Local Taxes
52.229-5	Apr 1984	Taxes-Contracts Performed in US Possessions or Puerto Rico
52.245-5	May 2004	Government Property (Cost Reimbursement, Time-and-Materials or Labor-Hour Contracts)

6. APPLICABLE TO ALL ORDERS OVER $500,000

52.215-10	Oct 1997	Price Reduction for Defective Cost or Pricing Data
52.215-12	Oct 1997	Subcontractor Cost or Pricing Data-Modifications
52.215-15	Oct 1997	Termination of Defined Benefit Pension Plans
52.215-19	Oct 1997	Notification of Ownership Changes
52.215-39	Mar 1996	Reversion or Adjustment of Plans for Post Retirement Benefits other than Pensions
52.215-40	Feb 1995	Notification of Ownership Changes
52.215-42	Jan 1997	Requirements for Cost or Pricing Data or Information other than Cost or Pricing Data-Modifications
52.219-9	Aug 1996	Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan, Alternate I (Mar 1996)
52.219-16	Oct 1995	Liquidated Damages - Small Business Subcontracting Plan

7. APPLICABLE TO ALL ORDERS OVER $1 MILLION

FAR REF. NUMBER	DATE	CLAUSE TITLE
52.222-28	Apr 1984	Equal Opportunity Pre-award Clearance for Subcontracts

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8. APPLICABLE TO ALL CONSTRUCTION ORDERS

52.222-6	Jul 2005	Davis-Bacon Act
52.222-7	Feb 1988	Withholding of Funds
52.222-8	Feb 1988	Payrolls and Basic Records
52.222-9	Jul 2005	Apprentices and Trainees
52.222-10	Feb 1988	Compliance with Copeland Act Requirements
52.222-11	Jul 2005	Subcontracts (Labor Standards)
52.222-12	Feb 1988	Contract Termination - Debarment
52.222-13	Feb 1988	Compliance with Davis-Bacon and Related Act Regulations
52.222-14	Feb 1988	Disputes Concerning Labor Standards
52.222-15	Feb 1988	Certification of Eligibility
52.222-16	Feb 1988	Approval of Wage Rates
52.222-23	Feb 1999	Notice of Requirement for Affirmative Action to Ensure Equal Opportunity Compliance
52.225-9	Feb 1999	Affirmative Action Compliance Requirements for Construction
52.225-5	Jan 2005	Buy American Act-Construction Materials
52.225-21	March 2009	Required Use of American Iron and Steel , and Other Manufactured Goods-Buy American Act-Construction Materials
52.225-23	March 2009	Required Use of American Iron and Steel , and Other Manufactured Goods-Buy American Act-Construction Materials Under Trade Agreements.
52.227-4	Apr 1984	Patent Indemnity-Construction Contracts
52.228-2	Oct 1997	Additional Bond Security
52.228-11	Feb 1990	Pledges of Assets
52.228-15	Nov 2006	Performance and Payment Bonds-Construction
52.236-5	Apr 1984	Materials and Workmanship
52.236-7	Nov 1991	Permits and Responsibilities
52.236-18	Apr 1984	Work Oversight in Cost-Reimbursement Construction Contracts
52.236-19	Apr 1984	Organization and Direction of Work

9. APPLICABLE TO ALL ORDERS WITH RECOVERY ACT FUNDING

FAR REF. NUMBER	DATE	CLAUSE TITLE
52.203-15	Mar 2009	Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009.
52.204-11	Mar 2009	American Recovery and Reinvestment Act—Reporting Requirements.
52.215-2	Jun 1999	Audit and Records—Negotiation.
52.225-21	Mar 2009	Required Use of American Iron, Steel, and Other Manufactured Goods-Buy American Act-Construction Materials
52.225-23	Mar 2009	Required Use of American Iron, Steel, and Other Manufactured Goods-Buy American Act-Construction Materials Under Trade Agreements

This order is also subject to the following Client-specific clauses:

State and Local Taxes (EPAAR 1552.229-70) (Nov 1989)

In accordance with FAR 29.303 and FAR 31.205-41, the Subcontractor or any subcontractor under this subcontract shall not be reimbursed for payment of any State and local taxes for which an exemption is

available. The Subcontractor is responsible for determining the availability of State and local tax exemptions and obtaining such exemptions, if available. The Subcontractor shall include this clause, suitably modified to identify the parties, in all subcontract at any tier. The Subcontractor shall notify KEMRON if problems arise in obtaining a State and local tax exemption. The Subcontractor may seek a waiver by the Contracting Officer (through KEMRON) from this requirement of the administrative burden of seeking an exemption appears to outweigh the potential savings to the Government.

The Following Two Clauses Apply to Subcontracts that Require the Subcontractor to Perform "Construction" as Defined in FAR Part 36, Subpart 36.102:

Davis-Bacon Act (DBA) and Service Contract Act (SCA) Application

This Subcontract is subject to either DBA or SCA prevailing wage rates or both as determined by the Department of Labor and as noted in the actual Subcontract document. The Subcontractor shall segregate those portions of the effort specifically related to DBA and/or SCA and determine wage rates by labor category classification accordingly. KEMRON together with the Subcontractor will be responsible for ensuring compliance with the appropriate wage determination.

Schedule for DBA Wage Determinations

In compliance with DBA regulations, the EPA has designated the use of the "Residential, Building, Heavy and/or Highway Project Wage Determination Schedule" as the appropriate construction type schedule for use when applying DBA wages to labor classifications/categories under this Subcontract. The applicable schedule will be included as part of an individual TASK ORDER. Any deviations from the use of this Schedule or the need for the issuance of an additional classification/category shall require prior EPA approval (through KEMRON) in accordance with FAR clause 52.222-6, Davis-Bacon Act.

Organizational Conflicts of Interest (EPAAR 1552.209-71) (May 1994)

(a) The Subcontractor must warrant that, to the best of the Subcontractor's knowledge and belief, there are no relevant facts or circumstances which could give rise to an organizational conflict of interest, as defined in FAR Subpart 9.5, or that the Subcontractor has disclosed all such relevant information.

(b) Prior to commencement of any work, the Subcontractor must agree to notify KEMRON immediately that, to the best of the Subcontractor's knowledge and belief, no actual, apparent or potential conflict of interest exists or to identify to KEMRON actual or potential conflict of interest the firm may have. In emergency situations, however, work may begin but notification shall be made within five (5) working days.

(c) The Subcontractor agrees that if an actual or potential organizational conflict of interest is identified during performance, the Subcontractor will immediately make a full disclosure in writing to KEMRON. This disclosure shall include a description of actions which the Subcontractor has taken or proposes to take, after consultation with KEMRON to avoid, mitigate, or neutralize the actual or potential conflict of interest. The Subcontractor shall continue performance until notified by KEMRON of any contrary action to be taken.

(d) The Subcontractor further agrees to insert in any subcontract or consultant agreement hereunder, provisions which shall conform substantially to the language of this clause, including this paragraph (d).

(e) The Subcontractor agrees to insert in each subcontract or consultant agreement placed hereunder, except for subcontracts or consultant agreements for well drilling, fence erecting, plumbing, utility hookups, security guard services, or electrical services, provisions which shall conform substantially to the language of this clause, including this paragraph (e), unless authorized by KEMRON.

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Limitation of Future Contracting (EPAAR 1552.209-74) (APR 2004)

(a) The parties to this contract agree that the Contractor will be restricted in its future contracting in the manner described below. Except as specifically provided in this clause, the Contractor shall be free to compete for contracts on an equal basis with other companies.

(b) If the Contractor, under the terms of this contract, or through the performance of work pursuant to this contract, is required to develop specifications or statements of work and such specifications or statements of work are incorporated into an EPA solicitation, the Contractor shall be ineligible to perform the work described in that solicitation as a prime Contractor or subcontractor under an ensuing EPA contract.

(c) Unless prior written approval is obtained from the cognizant EPA Contracting Officer, the Contractor, during the life of the delivery order or tasking document and for a period of five (5) years after the completion of the delivery order or tasking document, agrees not to enter into a contract with or to represent any party, other than EPA, with respect to: (l) any work relating to CERCLA activities which pertain to a site where the Contractor previously performed work for EPA under this contract or (2) any work that may jeopardize CERCLA enforcement actions which pertain to a site where the Contractor previously performed work for the EPA under this contract.
(d) During the life of this contract, including any options, the Contractor agrees that unless otherwise authorized by the Contracting Officer:

(l) It will not provide any Superfund Technical Assistance and Removal Team (START) i type activities (e.g., START contracts) to EPA within the Contractor's ERRS assigned geographical area(s), either as a prime contractor, subcontractor, or consultant.

(2) It will not provide any START type activities (e.g., START contracts) to EPA as a prime contractor, subcontractor or consultant at a site where it has performed or plans to perform ERRS work.

(3) It will be ineligible for award of START type activities contracts for sites within its respective ERRS assigned geographical area(s) which result from a CERCLA administrative order, a CERCLA or RCRA consent decree or a court order.

(e) The Contractor and any subcontractors, during the life of this contract, shall be ineligible to enter into an EPA contract or a subcontract under an EPA contract, which supports EPA's performance of Superfund Headquarters policy work, including support for the analysis and development of regulations, policies, or guidance that govern, affect, or relate to the conduct of response action activities, unless otherwise authorized by the Contracting Officer. Examples of such contracts include, but are not limited to, Superfund Management and Analytical support contracts, and Superfund Technical and Analytical support contracts.

(f) The Contractor agrees in advance that if any bids/proposals are submitted for any work that would require written approval of the Contracting Officer prior to entering into a contract subject to the restrictions of this clause, then the bids/proposals are submitted at the Contractor's own risk.
Therefore, no claim shall be made against the Government to recover bid/proposal costs as a direct cost whether the request for authorization to enter into the contract is denied or approved.

(g) To the extent that the work under this contract requires access to proprietary or confidential business or financial data of other companies, and as long as such data remains proprietary or confidential, the Contractor shall protect such data from unauthorized use and disclosure.

(h) The Contractor agrees to insert in each subcontract or consultant agreement placed hereunder, except for subcontracts or consultant agreements for nondiscretionary technical or engineering services, including treatability studies, well drilling, fence erecting, plumbing, utility hookups, security guard services, or electrical services, provisions which shall conform substantially to the language of this clause, including this paragraph (h) unless otherwise authorized by the Contracting Officer. The Contractor may request in writing that the Contracting Officer exempt from this clause a particular subcontract or consultant agreement for nondiscretionary technical or engineering services not specifically listed above, including laboratory analysis. The Contracting Officer will review and evaluate each request on a case-by-case basis before approving or disapproving the request.

(i) If the Contractor seeks an expedited decision regarding its initial future contracting request, the Contractor may submit its request to both the Contracting Officer and the next administrative level within the Contracting Officer's organization.

(j) A review process available to the Contractor when an adverse determination is received shall consist of a request for reconsideration to the Contracting Officer or a request for review submitted to the next administrative level within the Contracting Officer's organization. An adverse determination resulting from a request for reconsideration by the Contracting Officer will not preclude the Contractor from requesting a review by the next administrative level. Either a request for review or a request for reconsideration must be submitted to the appropriate level within 30 calendar days after receipt of the initial adverse determination.

Screening Business Information for Claims of Confidentiality (EPAAR 1552.235-70) (Apr 1984)

(a) Whenever collecting information under this subcontract, the Subcontractor agrees to comply with the following requirements:

(1) If the Subcontractor collects information from public sources, such as books, reports, journals, periodicals, public records, or other sources that are available to the public without restriction, the Subcontractor shall submit a list of these sources to the program office. The Subcontractor shall identify the information according to source.

(2) If the Subcontractor collects information from a state or local Government or from a Federal agency, the Subcontractor shall submit a list of these sources to the program office. The Subcontractor shall identify the information according to source.

(3) If the Subcontractor collects information directly from a business or from a source that represents a business or businesses, such as a trade association:

(i) Before asking for the information, the Subcontractor shall identify itself, explain that it is performing contractual work for the Environmental Protection Agency, identify the information that it is seeking to collect, explain what will be done with the information, and give the following notice:

(A) You may, if you desire, assert a business confidentiality claim covering part or all of the information. If you do assert a claim, the information will be disclosed by EPA only to the extent, and by means of the procedures, set forth in 40 CFR Part 2, Subpart B.

(B) If no such claim is made at the time this information is received by the Subcontractor, it may be made available to the public by the Environmental Protection Agency without further notice to you.

(C) The Subcontractor shall, in accordance with FAR Part 9, execute a written agreement regarding the limitations of the use of this information and forward a copy of the agreement to KEMRON.

(ii) Upon receiving the information, the Subcontractor shall make a written notation that the notice set out above was given to the source, by whom, in what form, and on what date.

(iii) At the time the Subcontractor initially submits the information to the appropriate program office, the Subcontractor shall submit a list of these sources, identify the information according to source, and indicate whether the source made any confidentiality claim and the nature and extent of the claim.

(b) The Subcontractor shall keep all information collected from non-public sources confidential in accordance with the clause in this subcontract entitled "Treatment of Confidential Business Information" as if it had been furnished to the Subcontractor by EPA.

(c) The Subcontractor agrees to obtain the written consent of the EPA Contracting Officer (through KEMRON), prior to entering into any contract that will require the Subcontractor to collect information. The Subcontractor agrees to include this clause, including this paragraph (c), and the clause entitled "Treatment of Confidential Business Information" in all subcontracts awarded pursuant to this subcontract that require the Subcontractor collect information.

Treatment of Confidential Business Information (EPAAR 1152.235-71) (Apr 1984)

(a) KEMRON, after a written determination by the EPA, may disclose confidential business information to the Subcontractor necessary to carry out the work required under this subcontract. The Subcontractor agrees to use the confidential information only under the following conditions:

(1) The Subcontractor and Subcontractor's employees shall: (i) use the confidential information only for the purposes of carrying out the work required by the subcontract; (ii) not disclose the information to anyone other than KEMRON and EPA employees without the prior written approval of the EPA Assistant General Counsel for Contracts and Information Law (through KEMRON); and (iii) return to KEMRON all copies of the information, and any abstracts or excerpts therefrom, upon request by KEMRON whenever the information is no longer required by the Subcontractor for the performance of the work required by the subcontract, or upon completion of the subcontract.

(2) The Subcontractor shall obtain a written agreement to honor the above limitations from each of the Subcontractor's employees who will have access to the information before the employee is allowed access.

(3) The Subcontractor agrees that these subcontract conditions concerning the use and disclosure of confidential information are included for the benefit of, and shall be enforceable by, both EPA and any affected business having a proprietary interest in the information.

(4) The Subcontractor shall not use any confidential information supplied by EPA or obtained during performance hereunder to compete with any business to which the confidential information relates.

(b) The Subcontractor agrees to obtain the written consent of the EPA Contracting Officer (through KEMRON) prior to entering into any subcontract that will involve the disclosure of confidential business information by the Subcontractor to the subcontractor. The Subcontractor agrees to include this clause, including this paragraph (b), in all subcontracts awarded, pursuant to this subcontract, which require the furnishing of confidential business information to the subcontractor.

Publicity (EPAAR 1552.237-74) (Apr 1984)

(a) The Subcontractor agrees to notify and obtain the verbal approval from KEMRON prior to releasing any information to the news media regarding the removal or remedial activities being conducted under this contract.

(b) It is also agreed that the Subcontractor shall acknowledge KEMRON support whenever the work funded in whole or in part by this contract is publicized in any news media.

Paperwork Reduction Act (EPAAR 1552.237-75) (Apr 1984)

If it is established at award or subsequently becomes a contractual requirement to collect identical information from ten (10) or more public respondents, the Paperwork Reduction Act of 1980, 44 U.S.C. 3501 et seq. applies. In that event, the Subcontractor shall not take any action to solicit information from any of the public respondents until notified in writing by the EPA Contracting Officer (through KEMRON) that the required Office of Management and Budget (OMB) final clearance was received.

Project Employee Confidentiality Agreement (EPAAR 1552.227-76) (May 1994)

(a) The Subcontractor recognizes the Subcontractor employees in performing this subcontract may have access to data, either provided by the Government or first generated during subcontract performance, or a sensitive nature which should not be released to the public without United States Environmental Protection Agency (EPA) approval. Therefore, the Subcontractor agrees to obtain confidentiality agreements from all employees working on requirements under this subcontract including subcontractors and consultants.

(b) Such agreements shall contain provisions which stipulate that each employee agrees that the employee will not disclose, either in whole or in part, to any entity external to EPA, the Department of Justice, or the Subcontractor, any information or data (as defined in FAR 27.401) provided by the Government or first generated by the Subcontractor under this subcontract, any site-specific cost information or any enforcement
strategy without first obtaining the written permission of KEMRON who in turn will solicit EPA for written permission. If the Subcontractor, through an employee or otherwise, is subpoenaed to testify or produce documents, which could result in such disclosure, the Subcontractor must provide immediate advance notification to KEMRON so KEMRON can notify the EPA so that the EPA can authorize such disclosure or have the opportunity to take action to prevent such disclosure. Such agreements shall be effective for the life of the subcontract and for a period of five (5) years after completion of the subcontract.

(c) KEMRON may terminate this subcontract for convenience, in whole or in part, if it deems such termination necessary to prevent the unauthorized disclosure of information to outside entities. If such a disclosure occurs without the written permission of KEMRON, KEMRON may terminate the subcontract, for default or convenience, or pursue other remedies as may be permitted by law or this subcontract.

(d) The Subcontractor further agrees to insert in any subcontract or consultant agreement placed hereunder, except for subcontracts or consultant agreements for well drilling, fence erecting, plumbing, utility hookups, security guard services, or electrical services, provisions which shall conform substantially to the language of this clause, including this paragraph, unless otherwise authorized by KEMRON.

Notification of Conflicts of Interest Regarding Personnel (EPAAR 1552.209-73) (May 1994)

(a) In addition to the requirements of the subcontract clause entitled "Organizational Conflicts of Interest," the following provisions with regard to employee personnel performing under this subcontract shall apply until the earlier of the following two dates: the termination date of the affected employee(s) or the expiration date of the subcontract.

(b) The Subcontractor agrees to immediately notify KEMRON of (1) any actual or potential personal conflict of interest with regard to any of its employees working on or having access to information regarding this subcontract, or (2) any such conflicts concerning subcontractor employees or consultants working on or having access to information regarding this subcontract, when such conflicts have been reported to the Subcontractor. A personal conflict of interest is defined as a relationship of an employee,

subcontractor employee, or consultant with an entity that may impair the objectivity of the employee, subcontractor employee, or consultant in performing the subcontract work.

(c) The Subcontractor agrees to notify KEMRON prior to incurring costs for that employee's work when an employee may have a personal conflict of interest. In the event that the personal conflict of interest does not become known until after performance on the subcontract has begun, the Subcontractor shall immediately notify KEMRON of the personal conflict of interest. The Subcontractor shall continue performance of this subcontract until notified by KEMRON of the appropriate action to be taken.

(d) The Subcontractor agrees to insert in any subcontract or consultant agreement placed hereunder, except for subcontractors or consultant agreements for well drilling, fence erecting, plumbing, utility hookups, security guard services, or electrical services, provisions which shall conform substantially to the language of this clause, including this paragraph (d), unless otherwise authorized by KEMRON.

Printing (EPAAR 1552.208-70) (Oct 2000)

(a) *Definitions*

"*Printing*" is the process of composition, plate making, presswork, binding and microform; or the end items produced by such processes and equipment. Printing services include newsletter production and periodicals which are prohibited under EPA/KEMRON contracts.

"*Composition*" applies to the setting of type by hot-metal casting, photo typesetting, or electronic character generating devices for the purpose of producing camera copy, negatives, a plate or image to be used in the production of printing or microform.

"*Camera copy*" (or "camera-ready copy") is a final document suitable for printing/duplication.

"*Desktop Publishing*" is a method of composition using computers with the final output or generation of camera copy done by a color inkjet or color laser printer. This is not considered "printing." However, if the output from desktop publishing is being sent to a typesetting device (i.e., Linotronic) with camera copy being produced in either paper or negative format, these services are considered "printing".

"*Microform*" is any product produced in a miniaturized image format, for mass or general distribution and as a substitute for conventionally printed material. Microform services are classified as printing services and includes microfiche and microfilm. The contractor may make up to two sets of microform files for archival purposes at the end of the contract period of performance.

"*Duplication*" means the making of copies on photocopy machines employing electrostatic, thermal, or other processes without using an intermediary such as a negative or plate.

"*Requirement*" means an individual photocopying task. (There may be multiple requirements under a Work Assignment or Delivery Order. Each requirement would be subject to the photocopying limitation of 5,000 copies of one page or 25,000 copies of multiple pages in the aggregate per requirement).

(b) *Prohibition*

The subcontractor shall not engage in, nor subcontract for, any printing in connection with the performance of work under this contract. Duplication of more than 5,000 copies of one page or more than 25,000 copies of multiple pages in the aggregate per requirement constitutes printing. The intent of the limitation is not to allow the duplication of final documents for use by the Agency. In compliance with EPA Order 2200.4a, EPA Publication Review Procedure, the Office of Communications, Education, and Media Relations is responsible for the review of materials generated under a contract published or issued by the Agency under a contract intended for release to the public.

(c) *Affirmative Requirements*

(1) Unless otherwise directed by the contracting officer (through KEMRON), the subcontractor shall use double-sided copying to produce any progress report, draft report or final report.

(2) Unless otherwise directed by the contracting officer (through KEMRON), the subcontractor shall use recycled paper for reports delivered to KEMRON which meet the minimum content standards for paper and

paper products as set forth in EPA's Web site for the Comprehensive Procurement Guidelines at: http://www.epa.gov/cpg/.

(d) *Permitted Contractor Activities*

(1) The prohibitions contained in paragraph (b) do not preclude writing, editing, or preparing manuscript copy, or preparing related illustrative material to a final document (camera-ready copy) using desktop publishing.

(2) The subcontractor may perform a requirement involving the duplication of less than 5,000 copies of only one page, or less than 25,000 copies of multiple pages in the aggregate, using one color (black), so long as such pages do not exceed the maximum image size of 10 3/4 by 14 1/4 inches, or 11 by 17 paper stock. Duplication services below these thresholds are not considered printing. If performance of the contract will require duplication in excess of these limits, subcontractors must immediately notify the contracting officer (through KEMRON) in writing. EPA may then seek a waiver from the Joint Committee on Printing, U. S. Congress. The intent of the limitation is to allow "incidental" duplication (drafts, proofs) under a contract. The intent of the limitation is not to allow the duplication of copies of final documents for use by the Agency or as distributed as instructed by the Agency.

(3) The subcontractor may perform a requirement involving the multi-color duplication of no more than 100 pages in the aggregate using color copier technology, so long as such pages do not exceed the maximum image size of 10 3/4 by 14 1/4 inches, or 11 by 17 paper stock. Duplication services below these thresholds are not considered printing. If performance of the contract will require duplication in excess of these limits, subcontractors must immediately notify the contracting officer (through KEMRON) in writing. EPA may then seek a waiver from the Joint Committee on Printing, U. S. Congress.

(4) The subcontractor may perform the duplication of no more than a total of 100 diskettes or CD-ROM's. Duplication services below these thresholds are not considered printing. If performance of the contract will require duplication in excess of these limits, subcontractors must immediately notify the contracting officer (through KEMRON) in writing. EPA may then seek a waiver from the Joint Committee on Printing, U. S. Congress.

(e) *Violations*

The subcontractor may not engage in, nor subcontract for, any printing in connection with the performance of work under the contract. The cost of any printing services in violation of this clause will be disallowed, or not accepted by KEMRON or the Government.

(f) *Flow-down Provision*

The subcontractor shall include in each subcontract which may involve a requirement for any printing/duplicating/copying a provision substantially the same as this clause.

Utilization of Rural Area Small Business Concerns (EP 52.219-110) (Apr 1990)

(a) (1) "Rural area small business concern" as used in this clause, means a small business concern that is located and conducts its principal operations in a rural geographic area (county or parish) listed in the Small Business Administration's Listing of Non-Metropolitan Rural Counties by State.

(2) "Small business concern" as used in this clause means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on government contracts, and qualified as a small business under the criteria and size standard in 13 CFR 121.

(b) It is the policy of the Environmental Protection Agency (EPA) (and KEMRON) that rural area small business concerns shall have the maximum practicable opportunity to participate in performing contracts awarded by EPA.

(c) The Subcontractor shall use its best efforts to give rural area small business concerns the opportunity to participate in the subcontracts it awards to the fullest extent consistent with efficient performance of this subcontract.

(d) The Subcontractor shall incorporate the substance of this clause in any subcontract that may provide for additional subcontracting opportunities.

Utilization Of Historically Black Colleges And Universities (EP 52.219-115) (Jul 1991)

(a) It is the policy of the Environmental Protection Agency (and KEMRON) that historically black colleges and universities shall have the maximum practicable opportunity to participate in performing contracts (or subcontracts) awarded by the Agency.
(b) The Subcontractor shall use its best efforts to give historically black colleges and universities the opportunity to participate in any subcontracts awarded to the fullest extent consistent with efficient performance of this subcontract.
(c) The Subcontractor shall incorporate the substance of this clause in any subcontract which may provide for additional subcontracting opportunities.

Release Of Contractor Confidential Business Information (EPAAR 1552.235-79) (Apr 1996)

(a) The Environmental Protection Agency (EPA or Agency) may find it necessary to release information submitted by the Subcontractor, either in response to this solicitation or pursuant to the provisions of this subcontract, to individuals not employed by the EPA. Business information that is ordinarily entitled to confidential treatment under existing Agency regulations (40 CFR Part 2) may be included in the information released to these individuals. Accordingly, by submission of this proposal or signature on this subcontract or other contracts, the Subcontractor hereby consents to a limited release of its confidential business information (CBI).
(b) Possible circumstances where the Agency may release the Subcontractor's CBI include, but are not limited to, the following:
(1) to other Agency contractors tasked with assisting the Agency in the recovery of Federal funds expended pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. Sec 9607, as amended, (CERCLA or Superfund);
(2) To the US Department of Justice (DOJ) and contractors employed by DOJ for use in advising the Agency and representing the Agency in proceedings for the recovery of Superfund expenditures;
(3) To parties liable, or potentially liable, for costs under CERCLA Sec 107 (42 U.S.C. Sec. 9607), et al, and their insurers (Potentially Responsible Parties) for purposes of facilitating settlement or litigation of claims against such parties.
(4) To other Agency contractors, who, for purposes of performing the work required under the respective contracts, require access to information the Agency obtained under the Clean Air Act (42 U.S.C. 7401 et seq.); the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.); the Safe Drinking Water Act (42 U.S.C. 300f et seq.); the Federal Insecticide, Fungicide and Rodenticide Act (7 U.S.C. 136 et seq.); the Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.); or the Toxic Substances Control Act (15 U.S.C. 2601 et seq.);
(5) To other Agency contractors tasked with assisting the Agency in handling and processing information and documents in the administration of Agency contracts, such as providing both pre-award and post award audit support and specialized technical support to the Agency's technical evaluation panels;
(6) To employees of grantees working at EPA under the Senior Environmental Enrollee (SEE) Program;
(7) The Speaker of the House, President of the Senate, or Chairman of a Committee or Subcommittee;
(8) To entities such as the General Accounting Office, boards of contract appeals, and the Courts in resolution of solicitation or contract protests and disputes;
(9) To Agency contractor employees engaged in information systems analysis, development, operation, and maintenance, including performing data processing and management functions for the Agency;

(10) Pursuant to a court order or court-supervised agreement.

(c) The Agency recognizes an obligation to protect the Subcontractor from competitive harm that may result from the release of such information to a competitor. (See also the clauses in this document entitled "Screening Business Information for Claims of Confidentiality" and "Treatment of Confidential Business Information.") Except where otherwise provided by law, the Agency will permit the release of CBI under subparagraphs 1, 3, 4, 5, 6, or 9 only pursuant to a confidentiality agreement.

(d) With respect to contractors, Clause 1552.235-71 (Treatment of Confidential Business Information) will be used as the confidentiality agreement. With respect to Potentially Responsible parties, such confidentiality agreements may permit further disclosure to other entities where necessary to further settlement or litigation of claims under CERCLA. Such entities include, but are not limited to accounting firms and technical experts able to analyze the information, provided they also agree to be bound by an appropriate confidentiality agreement.

(e) This clause does not authorize the Agency to release the Subcontractor's CBI to the public pursuant to a request filed under the Freedom of Information Act.

(f) The Subcontractor agrees to include this clause, including this paragraph (f) in all subcontracts at all levels awarded pursuant to the Contract that requires the furnishing of confidential business information by the subcontractor.

Publicity (EPAAR 1552.237-74) (Apr 1984)

(a) The Subcontractor agrees to notify and obtain the verbal approval of the on-scene coordinator (or Project Officer) (through KEMRON) prior to releasing any information to the news media regarding the removal or remedial activities being conducted under this contract.

(b) It is also agreed that the Subcontractor shall acknowledge EPA (through KEMRON) support whenever the work funded in whole or in part by this contract is publicized in any news media.

Use of ERRS Company-Owned Laboratories and Treatment Facilities (3H-15)

The OSC, in conjunction with the Contracting Officer, shall determine the appropriateness of using contractor-owned laboratories. Such determinations need to be based on competition, site safety concerns and the potential for an actual or apparent conflict of interest on the part of the contractor.

There are certain situations where the use of a contractor owned laboratory and/or treatment facility would not be appropriate, such as in determining the extent of contamination and/or estimating volumes of material to be disposed. However, under emergency response conditions, there may be instances where real time analytical support services from the contractor owned laboratories is necessary and does not present a conflict of interest. Situations of this nature would be the real time analysis of unstable hazardous waste materials to provide OSCs with the necessary handling information to protect the public health and environment as well as site personnel.

Notification of Ownership Changes (FAR 52.215-19) (Oct 1997)

(a) The Contract shall make the following notifications in writing:

(1) When the Contractor becomes aware that a change in its ownership has occurred, or is certain to occur, that could result in changes in the valuation of its capitalized assets in the accounting records, the Contractor shall notify the Administrative Contracting Officer (ACO) within 30 days.

(2) The Contractor shall also notify the ACO within 30 days whenever changes to asset valuations or any other cost changes have occurred or are certain to occur as a result of a change in ownership.

(b) The Contract shall –

(1) Maintain current, accurate, and complete inventory records of assets and their costs;

(2) Provide the ACO or designated representative ready access to the records upon request;

(3) Ensure that all individual and grouped assets, their capitalized values, accumulated depreciation or amortization, and remaining useful lives are identified accurately before and after each of the Contractor's ownership changes; and

(4) Retain and continue to maintain depreciation and amortization schedules based on the asset records maintained before each Contractor ownership change.

(c) The Contractor shall include the substance of this clause in all subcontracts under this contract that meet the applicability requirement of FAR 15.408 (k).

Statement of Equivalent Rates for Federal Hires (FAR 52.222-42) (May 1989)

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332

THIS STATEMENT IS FOR INFORMATION ONLY: IT IS NOT A WAGE DETERMINATION.

Employee Class	
Cleanup Technician	_____
Equipment Operator	_____
Truck Driver	_____

Confidentiality of Information

Any data that is generated or obtained during subcontract performance by the Subcontractor and/ any subcontractors shall be considered confidential and shall not be disclosed to anyone other than Environmental Protection Agency employees or to the DOJ, or to KEMRON, without the prior written approval of the EPA Contracting Officer through KEMRON, nor shall any such data be used for any other purpose except in connection with this subcontract. Any data generated or obtained during subcontract performance shall be delivered to the Government/EPA and KEMRON at the request of KEMRON.

Government Rights Under The Comprehensive Environmental Response, Compensation And Liability Act (CERCLA)

The award of this subcontract does not constitute a waiver of the Government's right to bring action against any person, or persons, including the Subcontractor, for liability under any provision of CERCLA. Furthermore, if the Subcontractor is determined to be liable under Section 107 of CERCLA, the Government may set-off the amount of any such liability against amounts otherwise due and payable under this subcontract.
The disclosure of any potential conflicts of interest as required in the "Conflict Of Interest" clauses of this subcontract shall not be construed or interpreted as an admission by the Subcontractor of any liability under CERCLA. Further, nothing contained within this subcontract shall be deemed, construed and/or interpreted as a

waiver by the Subcontractor of any defenses it may have or may wish to assert in any action by the Government under CERCLA.

Retention and Availability of Subcontractor Files

(a) This subcontract contains the Federal Acquisition Regulation Clause 52.215-2 "Audit/Negotiation" wherein the Subcontractor is required to maintain and make available to the EPA Contracting Officer or representative of the EPA Contracting Officer (in accordance with FAR Subpart 4.7 "Subcontractor Records Retention") at its office at all reasonable times the books, records, documents, and other evidence relating to this subcontract including personnel utilization records, site records, and accounting procedures and practices sufficient to reflect properly all costs claimed to have been incurred under this subcontract. Such files shall be made available for examination, audit or reproduction.

(b) The Subcontractor is advised that the Government may file suit against potential responsible parties for costs incurred relative to site related cleanup activities. In such proceedings, the Subcontractor's cost and performance records may become an integral part of the Government's case.

(c) Accordingly, due to the extended nature of court proceedings and EPA audit requirements, the Subcontractor shall make available to the Government and only to the Government the records described in (a) and (b) above and in the Audit clause for a period of ten (10) years after final payment under the subcontract. (FAR 4-703 (b)(1).

(d) In addition, the Subcontractor shall make available to the Government and only to the Government the records relating to any appeals, litigation or the settlement of claims with third parties which relate to this subcontract (i.e. cost recovery) until such appeals, litigation or claims are disposed of.

(e) The Subcontractor shall not destroy original records relating to the subcontract until (1) all litigation involving the records has finally been settled and approval is obtained from the EPA Contracting Officer, or (2) ten (10) years have passed from the date of final payment and no litigation involving the records as been instituted and approval of the EPA Contracting Officer is obtained. In no event should individual records be destroyed if litigation is in process or is pending related to such records.

(f) The Government may, in support of litigation cases, have the need for the Subcontractor to research and make available such records in a form and manner not normally maintained by the Subcontractor. Such effort shall be deemed to be within the scope of work under this subcontract. If this effort is required during subcontract performance, a negotiated supplemental agreement will be issued under the subcontract. If this effort is required after performance of this subcontract, a separate negotiated procurement action may be instituted with the Subcontractor.

(g) The final invoice (completion voucher), submitted after physical completion of the subcontract within the stated period of performance, will represent the final claim under the subcontract.

Limitation on Reimbursement for Rental Equipment (EP 52.231-305) (Apr 1992)

a) Fixed labor rates apply to all individuals employed under this contract. Fixed equipment rates apply to all equipment items listed in the Schedule. Fixed rates for labor and equipment items apply whether supplied by the prime contractor, team subcontractors, third-party subcontractors or short-term lease/rental agreement.

b) If it is determined by KEMRON or the USEPA to be in the best interest of the Government to suspend this limitation, reimbursement for rented/leased equipment may be at a cost which exceeds the fixed rate. Such consideration shall be made on a case-by-case basis. A request for approval shall be made by the Subcontractor through KEMRON in writing to the USEPA, in advance of charging the higher rate. Written documentation supporting the request shall include the description of the item, CLIN number, proposed cost, an explanation why the Subcontractor is proposing to rent/lease the equipment, and such other information as may be considered necessary to evaluate the proposal.

c) In the event of an emergency, the USEPA through KEMRON, may approve a higher rate with written documentation to be forwarded by the Subcontractor within ten (10) calendar days thereafter. In addition to the information required in the preceding paragraph, details on the nature of the emergency shall be included.

d) The final determination on reimbursement for a cost for rented/leased equipment for which the subcontract includes a fixed rate shall be the responsibility of the USEPA, except in an emergency during which the OSC's approval (through KEMRON) shall be accepted by the contracting officer until the emergency situation is stabilized provided the required documentation is submitted to the contracting officer within the time specified above.

(e) In determining the allow ability of reimbursement for the cost of rented/leased equipment for which the contract includes a fixed rate and which results in a cost in excess of the fixed rate, the Government may consider incremental charges incurred in connection with rental equipment for excessive usage and peak seasons during which time all of the subcontractor's owned equipment is dedicated to other EPA sites. The Government may also take into consideration instances where the subcontractor's equipment has been in use on a long-term basis on non-EPA jobs before being required by EPA and the length of the EPA job.

Fabrication or Acquisition of Nonexpendable Property (EPAAR 1552.245-72) (Apr 1984)

The Subcontractor shall not fabricate nor acquire under this subcontract, either directly or indirectly through a subcontract, any item of nonexpendable property without written approval from the USEPA.

Attachment 2
Representation and Certifications

Signature on Final Page shall apply to each individual certification.

1. **52.252-1 Solicitation Provisions Incorporated by Reference (Feb 1998)** This solicitation incorporates the following solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Subcontracts Representative will make their full text available.

   52.203-11 Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Sept 2005) **(Applicable to Orders in excess of $100,000)**

2. The following full text **Federal Acquisition Regulation (FAR)** provisions are applicable to this solicitation.

52.204-3 – Taxpayer Identification. As prescribed in 4.905, insert the following provision:

Taxpayer Identification (Oct 1998)

(a) *Definitions.*

"Common parent," as used in this solicitation provision, means that corporate entity that owns or controls an affiliated group of corporations that files its Federal income tax returns on a consolidated basis, and of which the offeror is a member.

"Taxpayer Identification Number (TIN)," as used in this provision, means the number required by the Internal Revenue Service (IRS) to be used by the offeror in reporting income tax and other returns. The TIN may be either a Social Security Number or an Employer Identification Number.

(b) All offerors must submit the information required in paragraphs (d) through (f) of this provision to comply with debt collection requirements of 31 U.S.C. 7701(c) and 3325(d), reporting requirements of 26 U.S.C. 6041, 6041A, and 6050M, and implementing regulations issued by the IRS. If the resulting contract is subject to the reporting requirements described in Federal Acquisition Regulation (FAR) 4.904, the failure or refusal by the offeror to furnish the information may result in a 31 percent reduction of payments otherwise due under the contract.

(c) The TIN may be used by the Government to collect and report on any delinquent amounts arising out of the offeror's relationship with the government (31 U.S.C. 7701(c) (3)). If the resulting contract is subject to the payment reporting requirements described in FAR 4.904, the TIN provided hereunder may be matched with IRS records to verify the accuracy of the offeror's TIN.

(d) *Taxpayer Identification Number (TIN).*

[___] TIN: 13-3879343
[___] TIN has been applied for.
[___] TIN is not required because:
[___] Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the United States and does not have an office or place of business or a fiscal paying agent in the United States;
[___] Offeror is an agency or instrumentality of a foreign government;
[___] Offeror is an agency or instrumentality of a Federal Government;
[___] Other. State basis._____

(e) *Type of organization.*

[___] Sole proprietorship;
[___] Partnership;
[___] Corporate entity (not tax-exempt):
[___] Corporate entity (tax-exempt):
[___] Government entity (Federal, State, or local);
[___] Foreign government;
[___] International organization per 26 CFR 1.6049-4;
[___] Other _____.

(f) *Common Parent.*

[___] Offeror is not owned or controlled by a common parent as defined in paragraph (a) of this provision.
[___] Name and TIN of common parent:

Name: _____

TIN: _____

52.204-5 -- Women-Owned Business [Other Than Small Business] As prescribed in 4.603(b), insert the following provision:

Women-Owned Business [Other Than Small Business] (May 1999)

(a) *Definition.* Women-owned business concern, as used in this provision, means a concern that is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.
(b) *Representation. [Complete only if the offeror is a women-owned business concern and has not represented itself as a small business concern in paragraph (b) (1) of FAR 52.219-1, Small Business Program Representation, of this solicitation.]* The offeror represents that it [___] **is,** [___] **is not** a women-owned business concern.

52.209-5 -- Certification Regarding Debarment, Suspension, Proposed Debarment, and Other Responsibility Matters. As prescribed in 9.409(a), insert the following provision:

Certification Regarding Debarment, Suspension, Proposed Debarment, and Other Responsibility Matters (Dec 2001)

(a) (1) The Offeror certifies, to the best of its knowledge and belief, that --

(i) The Offeror and/or any of its Principals --

(A) **Are** [___] **are not** [___] **presently debarred,** suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) **Have** [___] **have not** [___], within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of

Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) **Are [___] are not [___] presently indicted for**, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a) (1) (i) (B) of this provision.

(ii) The Offeror **has [___] has not [___], within a three-year period** preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) *"Principals,"* for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror non-responsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

52.215-6 - Place of Performance (Oct 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, [____] **intends**, [____] **does not intend** (check applicable block) to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" In paragraph (a) of this provision, it shall insert in the following spaces the required information:

Place of Performance (Street Address, City, State, County, Zip Code)	Name and Address of Owner and Operator of the Plant or Facility if Other than Offeror or Respondent
_____	_____
_____	_____

52.219-1 -- Small Business Program Representations (May 2004)

(a) (1) The North American Industry Classification System (NAICS) code for this acquisition is **[562910 & 238910].**

(2) The small business size standard is [_____]

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) *Representations.*

(1) The offeror represents as part of its offer that it **[___] is, [___] is not a small business concern.**

(2) *[Complete only if the offeror represented itself as a small business concern in paragraph (b) (1) of this provision.]* The offeror represents, for general statistical purposes, that it **[___] is, [___] is not, a small disadvantaged business concern** as defined in 13 CFR 124.1002.

(3) *[Complete only if the offeror represented itself as a small business concern in paragraph (b) (1) of this provision.]* The offeror represents as part of its offer that it **[___] is, [___] is not a women-owned small business concern.**

(4) *[Complete only if the offeror represented itself as a small business concern in paragraph (b) (1) of this provision].* The offeror represented as part of its offer that it [___] **is, [___] is not a veteran-owned small business concern.**

(5) *[Complete only if the offeror represented itself as a small business concern in paragraph (b) (4) of this provision].* The offeror represents as part of its offer that [___] **is,** [___] **is not** a service-disabled veteran-owned small business concern.

(6) *[Complete only if the offeror represented itself as a small business concern in paragraph (b) (4) of this provision].* The offeror represents, as part of its offer, that ---

(i) It [___] **is,** [___] **is not a HubZone small business concern** listed, on the date of this representation, on the List of Qualified HubZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HubZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It [___] **is,** [___] **is not a joint venture** that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b) (6) (i) of this provision is accurate for the HubZone small business concern or concerns that are participating in the joint venture. *[The offeror shall enter the name or names of the HubZone small business concern or concerns that are participating in the joint venture:* _____*.]* Each HubZone small business concern participating in the joint venture shall submit a separate signed copy of the HubZone representation.

(c) *Definitions.* As used in this provision--

"Service-disabled veteran-owned small business concern"-

(1) Means a small business concern

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) "Service-disabled veteran" means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its' affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

"Veteran-owned small business concern" means a small business concern -

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-Owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) *Notice.*

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the setaside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall --

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

52.222-21 - Prohibition of Segregated Facilities. As prescribed in 22.810(a)(1), insert the following clause: **Prohibition of Segregated Facilities (Feb 1999)**

(a) *"Segregated facilities,"* as used in this clause, means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex or national origin because of written or oral policies or employee custom. The term does not include separate or single-user rest rooms or necessary dressing or sleeping areas provided to assure privacy between sexes.

(b) The contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in the contract.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

52.222-22 – Previous Contracts and Compliance Reports. As prescribed in 22.810(a) (2), insert the following provision: **Previous Contracts and Compliance Reports (Feb 1999)**

The offeror represents that:

(a) **It [___] has, [___] has not** participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) **It [___] has, [___] has not** filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

52.222-25 Affirmative Action Compliance (April 1984)

The Offeror represents that (a) **it [___] has developed and has on file, [___] has not developed and does not have on file**, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or (b) **it [___] has not previously had** contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

52.222-38 Compliance with Veterans' Employment Reporting Requirements (Dec 2001)

By submission of its offer, the offeror represents that, if it is subject to the reporting requirements of 38 U.S.C. 4212(d) (i.e., if it has any contract containing Federal Acquisition Regulation clause 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans), it has submitted the most recent VETS-100 Report required by that clause.

52.223-4 Recovered Material Certification (Oct 1997)

As required by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. 6962(c)(3)(A)(i)), the offeror certifies, by signing this offer, that the percentage of recovered materials to be used in the performance of the contract will be at least the amount required by the applicable contract specifications.

52.223-13 Certification of Toxic Chemical Release Reporting (Aug 2003)

(a) Executive Order 13148, of April 21, 2000, Greening the Government through Leadership in Environmental Management, requires submission of this certification as a prerequisite for contract award.

(b) By signing this offer, the offeror certifies that --

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: *[Check each block that is applicable.]*

[_] (i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

[_] (ii) The facility does not have 10 or more fulltime employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);

[_] (iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

[_] (iv) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their corresponding North American Industry Classification System sectors:

(A) Major group code 10 (except 1011, 1081, and 1094.

(B) Major group code 12 (except 1241).

(C) Major group codes 20 through 39.

(D) Industry code 4911, 4931, or 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(E) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, et seq.), or 5169, or 5171, or 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

[__] (v) The facility is not located in the United States or its outlying areas.

EPAAR 1552.209-72 Organizational Conflict of Interest Certification (Apr 1984)

The offeror [__] **is** [__] **is not** aware of any information bearing on the existence of any potential organizational conflict of interest. If the offeror is aware of information bearing on whether a potential conflict may exist, the offeror shall provide a disclosure statement describing this information. (See Section L of the solicitation for further information.)

EPAAR 1552.224-70 Social Security Numbers of Consultants and Certain Sole Proprietors and Privacy Act Statement (Apr 1984)

(a) Section 6041 of Title 26 of the U.S. Code requires EPA to file Internal Revenue Service (IRS) Form 1099 with respect to individuals who receive payments from EPA under purchase orders or contracts. Section 6109 of Title 26 of the U.S. Code authorizes collection by EPA of the social security numbers of such individuals for the purpose of filing IRS Form 1099. Social security numbers obtained for this purpose will be used by EPA for the sole purpose of filing IRS Form 1099 in compliance with Section 6041 of Title 26 of the U.S. Code.

(b) If the offeror or quoter is an individual, consultant, or sole proprietor and has no Employer Identification Number, insert the offeror's or quoter's social security number on the following line.

_____

Attachment 2
Representation and Certifications

EP 52.299-900 Signature Block (Apr 1984)

I hereby certify that the responses to the above Representations, Certifications and other statements are accurate and complete.

Signature : _____

Title : _____

Date : _____

LOCAL LRT-42-18 Congressional District/Dun and Bradstreet Number (Dec 2001)

a. Congressional district for offeror's place of business (as noted on the SF1411): _____

Congressional district for offeror's place(s) of performance:

_____

b. Dun and Bradstreet Number: _____

Attachment 3
Vendor Responsibility Certifications

Bidder Information

Company Name: _____

Company Address: _____

_____

Company Phone No.: _____

Company Fax No.: _____

Name of Contact Person Responsible For This Bid:

_____

Contact Person's Phone No.: _____

Contact Person's Fax No.: _____

Business Status (check all that apply)

_____ Large _____Small

_____Small Disadvantaged (minority) _____Woman-Owned

Type of Firm (please check one):

____ Sole Proprietorship ____ Partnership _____ Corporation

____ Joint Venture ____ Other (specify) _____

Date Organized: _____ Date Incorporated: _____ State: _____

Names of Officers CEO _____

CFO _____

Sec. / Treasurer _____

Attachment 3
Vendor Responsibility Certification

Safety Data

Does your firm have a Standard Operating Procedure for Safety? (Please check one) _____ Yes _____ No

Does your firm have a Policy Letter dealing with Safety? (Please check one) _____ Yes _____ No

What was your accident rate for last year? _____

_____

What was your accident rate for this year? _____

_____

Has your firm, in the last three years, received a Notice of Violation from:

OSHA (or state and local equivalent) _____yes _____no
DOL (or state and local equivalent) _____yes _____no
EPA (or state and local equivalent) _____yes _____no
DOT (or state and local equivalent) _____yes _____no

If yes, please explain.

_____

_____

Quality Control Data

Does your firm have a Standard Operating Procedure for Quality Control? (Please check one) _____ Yes _____ No

Does your firm have a Policy Letter dealing with Quality Control? (Please check one) _____Yes _____ No

Experience Data

Please provide the following data for three projects for similar work performed within the past 12 months.

	1	2	3
Customer			
Contact			
Phone Number			
Total Contract Value			

Have you ever worked with KEMRON as a prime or subcontractor?_____yes _____ no

If yes, please indicate project name(s): _____

Attachment 3
Vendor Responsibility Certification

How many years has your organization been in business as a contractor under your present business name?

How many years experience in the type of work involved in the subject solicitation do you have as a prime contractor? _____ As a subcontractor _____?

Have you ever failed to complete any work awarded to you? If so, where and why?

_____

On a typical project, what percent of the work is completed by your own forces; what percent by subcontract?

Own Forces: _____ Subcontract: _____

Please provide names and addresses for all subcontractors or suppliers you plan to use on this job.

_____

_____

_____

Schedule:

In the last three years has your firm:

Failed to meet a contract milestone or completion date _____yes _____ no

Been issued a cure notice _____yes _____ no

Been terminated for default _____yes _____ no

Been assessed Stipulated or Liquidated Damages _____yes _____ no

If you answered yes to any of the above questions, please detail the circumstances:

_____

_____

_____

Are there any facts or circumstances that we should be aware of that may adversely affect the schedule of this contract? _____yes _____ no

If yes, please explain:

_____

_____

Have you, in the last 3 years, been reported to the Better Business Bureau? _____yes _____ no

Attachment 3
Vendor Responsibility Certification

Financial Data

Location where accounts are kept (if different from above):

_____

Financial Resources:

Does your firm presently own the necessary equipment resources to perform this contract?

_____ yes _____ no

If no, please detail your plan to obtain them:_____

_____

_____

_____

In the past three years has your firm been unable to complete a contract according to the prescribed scope and schedule due to working capital or cash flow constraints? _____ yes _____ no

Please provide your annual revenue for the last three years:

Last Year: $_____

Two Years Ago: $_____

Three Years Ago: $_____

Please provide the total revenue anticipated to be generated this year (including this contract): $_____

Is your accounting system capable of segregating and retaining the costs associated with this project?

_____ yes _____ no

What percent of this year's revenue can you expect will be generated from contracts substantially similar to the technical requirements of this contract? _____%.

The Statement of Work under this IFB or contract is for the subcontractor(s) to provide all labor, equipment, materials, and supplies, to properly perform transportation and disposal of hazardous and non-hazardous material at the Riverside Avenue site located in Newark, New Jersey.

C.1 Site Information

Site Name: Riverside Avenue Site

Street Address: 29 Riverside Avenue, Newark, New Jersey 07104.

Situation: KEMRON Environmental Services, Inc. is the prime contractor for the U.S. EPA Region II, at the Riverside Avenue Site, located in Newark, New Jersey. As part of this work, KEMRON has been tasked with providing transportation and disposal services of hazardous and non-hazardous material located on the property. This waste must be transported and disposed of in accordance with all applicable federal, state, and local regulations.

C.2 Description

The scope of work under this IFB is for the successful bidder to supply all labor, equipment, materials, and any and all permits, licenses, and insurance necessary to perform the work listed and described in this solicitation. All work must be completed in a manner consistent to meet all requirements under Federal, State and local regulations and requirements.

In order to perform cleanup, KEMRON requires material be removed from site for off-site disposal at a CERCLA acceptable facility.

Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum
C	Disposal of Spent Carbon	None	0-5	55 gallon drum
D	Disposal of AST Solids	None	0-20	55 gallon drum
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load
J	Vacuum Pumping Time	NA	0-5	Hour

K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load
L	Demurrage	NA	0-2	Hour
M	Tax (State, County/Local)	NA		

Line Item A – is for the disposal of liquid contained in frac tanks. See attached laboratory analysis.
Sample IDs: Frac Tank 4 Basement Fluid/Sludge

Line Item B – is for the disposal of drummed liquid which was contained in frac tanks. See attached laboratory analysis.
Sample IDs: Frac Tank 3

Line Item C – is for the disposal of spent carbon. See attached laboratory analysis.
Sample IDs: Spent Carbon

Line Item D – is for the disposal of solids contained in ASTs. See attached laboratory analysis.
Sample IDs: AST Composite

Line Item E – is for the disposal of solid material contained in an AST. The mixture is suspected to contain paraformaldehyde flakes. See attached laboratory analysis.
Sample IDs: AST 11-Bldg 7 TR2

Line Item F – is for the disposal of sludge contained in a varnish tank. See attached laboratory analysis.
Sample IDs: Varnish Tank

Line Item G – is for the disposal of soil drill cuttings produced in site assessment. See attached laboratory analysis.
Sample IDs: Drill Cuttings

Line Item H – is for the disposal of liquids contained in an ASTs and process lines. The mixture is suspected to be flammable. Sample is still being analyzed by the laboratory. Data will be made available to bidders as soon as KEMRON receives it.

Line Item I –is for the transportation of line item A via vacuum tanker. Tankers must arrive on-site empty and clean. If any residual material is in the tanker when it arrives on site it will be turned away at no expense to KEMRON. All drivers and trucks must be permitted to haul this material.

Line Item J- is for costs involved with the time it will take to pump out the containers.

Line Item K – is for the transportation of Line Items B-H via dedicated truck. All drivers and vehicles must be permitted and licensed to haul this material.

Line Item L – is for any demurrage that may be incurred during the loading of this waste. Allow 2 free hours load time. Award of this RFP will not be based on this line item, but the unit rate and extended rate will be included in the not-to-exceed value of the awarded subcontract. See C.4.4 Demurrage.

Line Item M - KEMRON is not tax exempt therefore all applicable State and Local taxes must be included in this line item. Tax should be applied for the state where the waste will be disposed of.

****Note: Modifications to the bid form may deem you unresponsive and the bid will be disqualified. Therefore, include pricing on each of the line items, per the unit(s), and shown and described in the Statement of Work.**

KEMRON subcontracts are fixed rate ID/IQ and therefore there is no contract, subcontract, or FAR clause or mechanism that allows us to change these fixed rates unless the scope of work changes. Vendors must bid the projects with the current trends in fuel prices in mind. There cannot be variable rates based on the variable fuel rates, no sliding scale (like 20-30% surcharge, has to be 20% or 30%, can't be either/or). This rate MUST be effective for the entire length of this project.

Fees and Surcharges
If fees and surcharges are applicable, please list them below. Fees and surcharges are to be included in the unit rates but must be broken out and listed below.

Description	Amount

C.3 SCHEDULE

Off-site transportation and disposal will begin immediately upon award of this IFB and approval of associated waste profiles. Waste must be off site no later than May 4, 2012. See Section C.4.5, Liquidated Damages, below for penalties associated with missing this schedule.

C.4 CERCLA COMPLIANCE

The facility(s) accepting the waste must be in compliance with the CERCLA Off-Site Disposal Rule (40 CFR 300.440 as stated in Federal Register Vol. 58, No. 182, dated September 22, 1993) and must have all required permits. All intermediate facility(s), Treatment, Storage, and Disposal facility(s) (TSDF) at which waste stops en route to the final disposal facility must also be in compliance with the Off-Site Policy. If, at anytime during the duration of this contract, the TSDF or ultimate disposal facility(s) receive notice that it is not or may not be in compliance with the CERCLA Off-Site Disposal Rule, the subcontractor must notify KEMRON Environmental Services' Project Manager immediately in writing. In any event, KEMRON Environmental Services, Inc. shall have the right to unilaterally terminate this contract.

C.4.2 DELIVERABLES

The subcontractor must supply the KEMRON response manager with the following documentation:

C.4.2.1 Manifest

The subcontractor must provide an unsigned, completed manifest, any applicable forms, as well as any other shipping documents, markings, and labels to the KEMRON response manager at least 48 hours prior to the shipment of waste.

The subcontractor must provide a photocopy of the fully executed manifest to the KEMRON response manager and the T&D coordinator **within thirty (30) calendar days** of the waste delivery to the disposal facility, along with a copy of the receiving facilities executed manifest identifying the amount of material received. The awarded vendor must supply documentation regarding when and to whom the TSDF-signed manifest was sent in order to comply with 40 CFR 262.40.

C.4.2.2 Certificates of Destruction/Disposal

Certificates of treatment, disposal, and/or destruction from the final disposal facility, along with weigh tickets, must be sent to the KEMRON T&D coordinator.

Certificates of Destruction/Disposal, if applicable, must include the number of the manifest when the waste was transported off-site, as well as a description of the waste as reported on the manifest. **Within 90 days of waste shipment all waste disposal must be complete and all certificates of disposal and completed invoices received (must include at a minimum: all related executed manifests and all certificates of treatment, storage and disposal not previously received by KEMRON and weight tickets as appropriate). For any delay in the waste disposal or receipt of deliverables, payment will be reduced by 5% of the total invoiced amount under this subcontract for each 30-day period, beginning on the first day of each 30-day period.**

C.4.2.3 Recovery Act Funds - Federal Reporting

Both Prime and sub-recipients of Recovery Act funds are required to report contract amounts and other data at http://www.federalreporting.gov.

C.4.3 OFF SPECIFICATION MATERIAL

In the event that any off specification (Off Spec) material arrives at the disposal facility(s), prior written authorization must be given by KEMRON before any additional charges can be incurred. KEMRON defines Off Spec materials as those wastes that prove to be inconsistent with the approved waste profile as accepted by the disposal facility(s). Before KEMRON will authorize any additional cost, the subcontractor will provide in writing, on company letterhead, a statement certifying the waste is Off Spec waste. The signatory of this statement must have the authority to bind the subcontractor's company. In addition to the statement that the waste is Off Spec, the written notification will include the reason the waste was deemed Off Spec. The reason will include how the waste was profiled and which parameter on the profile was incorrect. If the waste is deemed to be Off Spec due to its chemical nature, the Off Spec notification must be accompanied by hard copy analytical data from the laboratory performing the testing that indicates that the materials are Off Spec. In this circumstance, it will be the subcontractor's responsibility to provide (if requested by the KEMRON T&D coordinator and response manager) a 16oz sample of the Off Spec waste at no additional cost to KEMRON. If the waste is Off Spec due to physical characteristics, the vendor must provide KEMRON with photocopies documenting the waste characteristics.

C.4.4 DEMURRAGE

The transporter must allow for up to two (2) free hours for loading and will take full responsibility for off

loading at the designated treatment/disposal facility prior to demurrage charges being applied. Prior written approval from KEMRON must be received before any additional cost can be incurred. KEMRON will not pay any demurrage cost without written documentation of when the truck arrived and when the truck departed the site or facility. In order to establish whether demurrage charges are justified and reimbursable by KEMRON, the selected disposal facility must be prepared to show written documentation of the when the truck arrived, when it departed, and why demurrage was incurred beyond the free two (2) hour period. KEMRON will not pay more than 5 hours demurrage per day and will not pay demurrage for more than 4 days in any 7-day period. A day is defined as 24 consecutive hours. If the bid is for transportation and disposal, then it is the subcontractor's responsibility to schedule the waste into the disposal facility. KEMRON will not pay demurrage at the facility unless the waste is outside of the parameters specified on the waste profile.

C.4.5 Liquidated Damages

For any delay in the acceptance of the waste from the site, not due to acts of KEMRON, the EPA, or other factors outside of the subcontractor's control (such as inclement weather, floods, acts of war, etc.) a reduction in the total charge for services will be $500.00 per day for each additional day the waste remains on site (see C.3 Schedule). If liquidated damages are invoked KEMRON will deduct the charges from the subcontractor's invoice prior to payment and notify the subcontractor in writing.

For any delay in the waste disposition or the receipt of the certificates of disposal will result in a reduction of total payment by 5% per each 30-day period.

C.5 Invoicing

All invoices must reference the project name (Riverside Avenue SE1838), site location city and state. Final invoicing must be submitted to KEMRON within 30 days of completion of the project. Invoices are to be submitted to:

KEMRON Environmental Services
1359-A Ellsworth Industrial Boulevard
Atlanta, GA 30318
Attention: Robert Harris

Treatment, Storage, and/or Disposal will take place at the following facility(s):
(Use additional pages if necessary to completely document each proposed facility)

Treatment Facility(s) _____

Treatment Facility(s) EPA I.D. Number(s) _____

Associated Line Item(s) _____

Method of Treatment _____

Storage Facility(s) _____

Storage Facility(s) EPA I.D. Number(s) _____

Associated Line Item(s) _____

Disposal Facility(s) _____

Disposal Facility(s) EPA I.D. Number(s) _____

Associated Line Item(s) _____

Method of Disposal _____

KEMRON will not pay for any Treatment, Storage, and/or Disposal which takes place at a facility not listed by the vendor herein as one of the disposal facilities that will be used. If a different facility(s) must be used, a written Change Order must be executed by KEMRON and the subcontractor prior to its use in order for the subcontractor to be paid.

_____

Signature of Subcontractor's Authorized Representative

_____

Date

D.1 Bidder's Price

For the Statement of Work described in Appendix C, **the price must be given in the format specified in this IFB. Any other format may cause your bid to be deemed non-responsive (pursuant to FAR 14.301).** The description for each line item is provided in the Statement of Work, Appendix C, Description.

Item	Description	EPA Hazardous Waste Codes	Approximate Quantity	Unit Measure	Unit Price	Extended Price
A	Disposal of Frac Tank 4 Liquids	None	0-21000	Gallons	$	$
B	Disposal of Frac Tank 3 Liquids	D001, D018, D022, D039	0-10	55 gallon drum	$	$
C	Disposal of Spent Carbon	None	0-5	55 gallon drum	$	$
D	Disposal of AST Solids	None	0-20	55 gallon drum	$	$
E	Disposal of AST 11 Solids	None	0-1	55 gallon drum	$	$
F	Disposal of Varnish Tank Liquid	None	0-16	55 gallon drum	$	$
G	Disposal of Drill Cuttings	None	0-5	55 gallon drum	$	$
H	Disposal of AST/Process Line Liquids	D001	0-23	55 gallon drum	$	$
I	Transportation of Line Item A via Vacuum Tanker	NA	0-5	Load	$	$
J	Vacuum Pumping Time	NA	0-5	Hour	$	$
K	Transportation of Line Items B-H via dedicated truck	NA	0-1	Load	$	$
L	Demurrage	NA	0-2	Hour	$	$
M	Tax (State, County/Local)	NA				$
	GRAND TOTAL					$

Note: All prices should be shown in U.S. dollars and will remain valid for 90 days from the date of this offer.

Pricing must include all fees, fuel surcharges, costs of analysis, or any other costs, which may be involved in the normal course of transporting this waste to the designated facility, for accepting this type of waste into the facility, and for performing the treatment and disposal of this waste.

D.2 Bidder's Signature

This signature means that the bidder has read and understands this bid package and is willing to execute a KEMRON subcontracting agreement (enclosed) without changes. **The signatory must have the authority to bind the bidding company**. The signature also means that all statements in this bid are accurate and truthful. Prices must be all inclusive and in the format shown. KEMRON will not pay any costs outside of the prices shown.

Bidding Company's Name

Bidder's Signature

Date

Bidder's Printed Name and Title

QUESTION/NO BID FORM [Fax back to: (404) 636-7162]

Project – Riverside Avenue Site, Newark, New Jersey

Question
Name:_____ **Phone:**_____ **Company:**_____ **Date:**_____ **Question:**_____

No Bid
Name:_____ **Phone:**_____ **Company:**_____ **Date:**_____ **Reason for No Bid:**_____

Line Item A

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-3
Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Diesel Range Organics - Aqueous (8015D)								
Diesel Range Organics	-----	21400		ug/L	8015D	5000	S M	4/3/2012 3:58 PM
Gasoline Range Organics - Aqueous (8015D)								
Gasoline Range Organics	-----	26.9		ug/L	8015D	10.0	S M	4/3/2012 4:07 PM
Heat of Combustion								
Heat of Combustion	BTU	328		BTU/lb	ASTM D240	0.00	SU B	3/29/2012 12:00 AM
Ignitability								
Ignitability		No		Y/N	1030		R B	3/30/2012 12:45 PM
Mercury - Aqueous								
Mercury	7439-97-6	0.34		ug/L	245.1	0.20	N H	3/28/2012 1:23 PM
Metals (Total -TAL) - aqueous								
Aluminum	7429-90-5	6850		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Arsenic	7440-38-2	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Barium	7440-39-3	163		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Calcium	7440-70-2	79800		ug/L	6010B	5000	N H	3/28/2012 1:48 PM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Copper	7440-50-8	355		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Iron	7439-89-6	171000		ug/L	6010B	5000	N H	3/28/2012 1:48 PM
Lead	7439-92-1	425		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Magnesium	7439-95-4	16600		ug/L	6010B	5000	N H	3/28/2012 1:48 PM
Manganese	7439-96-5	3630		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Nickel	7440-02-0	267		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Potassium	7440-09-7	12800		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Silver	7440-22-4	ND		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Sodium	7440-23-5	36600		ug/L	6010B	5000	N H	3/28/2012 1:48 PM
Thallium	7440-28-0	75.0		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Vanadium	7440-62-2	50.0		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM
Zinc	7440-66-6	9900		ug/L	6010B	50.0	N H	3/28/2012 1:44 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-3
Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
PCBs - Aqueous								
PCB-1016	12674-11-2	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1221	11104-28-2	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1232	11141-16-5	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1242	53469-21-9	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1248	12672-29-6	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1254	11097-69-1	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
PCB-1260	11096-82-5	ND		ug/L	8082	10.0	S M	4/4/2012 5:17 PM
pH - Aqueous								
pH	-----	4.50		S.U.	SM 4500-H B		R B	3/30/2012 9:20 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	3/29/2012 12:32 AM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	3/29/2012 11:22 AM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4-Dimethylphenol	105-67-9	5200		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	2500	I R	4/3/2012 4:25 PM
2-Methylphenol	95-48-7	43300		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	2500	I R	4/3/2012 4:25 PM
Phenol	108-95-2	21600		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Pentachlorophenol	87-86-5	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Acenaphthene	83-32-9	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Acenaphthylene	208-96-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Anthracene	120-12-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-3

Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM

Sampled By: RB

Sample Matrix: Soil

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,2'-Oxybis(1-Chloropropane)	108-60-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Carbazole	86-74-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2-Chloronaphthalene	91-58-7	5460		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Chrysene	218-01-9	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Dibenzofuran	132-64-9	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Diethylphthalate	84-66-2	1500		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Di-n-butylphthalate	84-74-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Di-n-octylphthalate	117-84-0	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Fluoranthene	206-44-0	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Fluorene	86-73-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	2500	I R	4/3/2012 4:25 PM
Hexachloroethane	67-72-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Isophorone	78-59-1	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2-Methylnaphthalene	91-57-6	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-3

Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM

Sampled By: RB

Sample Matrix: Soil

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Naphthalene	91-20-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
4-Nitroaniline	100-01-6	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Nitrobenzene	98-95-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Phenanthrene	85-01-8	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Pyrene	129-00-0	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
1,2,4-Trichlorobenzene	120-82-1	1380		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
3- & 4- Methylphenol	61379-65-5	15200		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
1,4-Dioxane	123-91-1	ND		ug/L	8270C	2000	I R	4/3/2012 4:25 PM
Benzaldehyde	100-52-7	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Acetophenone	71777-36-1	4470		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
Caprolactam	105-60-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
1,2.4,5-Tetrachlorobenzene	95-94-3	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
2,3,4,6-Tetrachlorophenol	58-90-2	ND		ug/L	8270C	1000	I R	4/3/2012 4:25 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	4/2/2012 2:52 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Barium	7440-39-3	0.13		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Chromium	7440-47-3	0.06		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Lead	7439-92-1	0.15		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:55 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-3
Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
2-Methylphenol	95-48-7	128		mg/L	1311/8270C	4.00	I R	3/30/2012 3:32 PM
3- & 4- Methylphenol	61379-65-5	41.5		mg/L	1311/8270C	4.00	I R	3/30/2012 3:32 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.20	I R	3/30/2012 3:01 PM
TCLP Volatiles								
Benzene	71-43-2	0.41		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Chloroform	67-66-3	4.19		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Methyl Ethyl Ketone (MEK)	78-93-3	70.5		mg/L	1311/8260B	0.50	I R	4/3/2012 1:01 AM
Tetrachloroethene (PCE)	127-18-4	0.64		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 1:01 AM
Total Solids (Residue)								
Solids, Total		38200		mg/L	2540B	1.00	S M	4/3/2012 10:00 AM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	6460		ug/L	8260B	2000	I R	4/2/2012 4:21 PM
Benzene	71-43-2	433		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Bromoform (Tribromomethane)	75-25-2	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Bromodichloromethane	75-27-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Bromomethane	74-83-9	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
2-Butanone (MEK)	78-93-3	67200		ug/L	8260B	2000	I R	4/2/2012 4:21 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-3

Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM

Sampled By: RB

Sample Matrix: Soil

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
Chloroethane	75-00-3	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Chloroform	67-66-3	5540		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1-Dichloroethane	75-34-3	791		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Ethylbenzene	100-41-4	330		ug/L	8260B	200	I R	4/2/2012 4:21 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	2000	I R	4/2/2012 4:21 PM
Methylene Chloride (Dichloromethane)	75-09-2	51900		ug/L	8260B	400	I R	4/2/2012 4:21 PM
4-methyl-2-pentanone (MIBK)	108-10-1	7780		ug/L	8260B	2000	I R	4/2/2012 4:21 PM
Styrene	100-42-5	2100		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Toluene	108-88-3	3850		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1,1-Trichloroethane	71-55-6	15500		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
o-Xylene	95-47-6	666		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Trichloroethene (TCE)	79-01-6	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1,2-Trichloro-1,2, 2-Trifluoroethane	76-13-1	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
Tetrachloroethene (PCE)	127-18-4	786		ug/L	8260B	200	I R	4/2/2012 4:21 PM
m,p-Xylene	136777-61-2	1360		ug/L	8260B	400	I R	4/2/2012 4:21 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-3
Client Sample ID: Frac Tank 4-basement fluid/sludge

Date Sampled: 3/26/2012 7:55 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,2-Dichlorobenzene	95-50-1	211		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,2,4-Trichlorobenzene	120-82-1	851		ug/L	8260B	200	I R	4/2/2012 4:21 PM
1,2,3-Trichlorobenzene	87-61-6	209		ug/L	8260B	200	I R	4/2/2012 4:21 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item B

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418
Lab Sample #: 36418-3
Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM
Sampled By: KS
Sample Matrix: Aqueous
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Diesel Range Organics - Aqueous								
Diesel Range Organics	-----	118000		ug/L	8015B	5000	C R	12/20/2011 11:16 AM
Gasoline Range Organics - Aqueous								
Gasoline Range Organics	-----	243000		ug/L	8015B	5000	C R	12/19/2011 1:26 PM
Heat of Combustion.								
Heat of Combustion	BTU	No		Y/N	ASTM D240		SU B	12/14/2011 12:00 AM
Ignitability (Flashpoint)								
Ignitability		40		o C	1010A		R B	12/20/2011 4:54 PM
Mercury - Aqueous								
Mercury	7439-97-6	1.15		ug/L	7470A	0.20	N H	12/19/2011 4:17 PM
Metals (Total - TAL) - aqueous								
Aluminum	7429-90-5	5030		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Antimony	7440-36-0	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Arsenic	7440-38-2	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Barium	7440-39-3	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Beryllium	7440-41-7	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Cadmium	7440-43-9	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Calcium	7440-70-2	47100		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Chromium	7440-47-3	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Cobalt	7440-48-4	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Copper	7440-50-8	1480		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Iron	7439-89-6	82800		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Lead	7439-92-1	849		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Magnesium	7439-95-4	9730		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Manganese	7439-96-5	2430		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Nickel	7440-02-0	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Potassium	7440-09-7	7900		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Selenium	7782-49-2	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Silver	7440-22-4	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Sodium	7440-23-5	15800		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Thallium	7440-28-0	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
Vanadium	7440-62-2	ND		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418
Lab Sample #: 36418-3
Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM
Sampled By: KS
Sample Matrix: Aqueous
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Metals (Total - TAL) - aqueous								
Zinc	7440-66-6	8350		ug/L	6010B	50.0	N H	12/19/2011 3:31 PM
PCBs - Aqueous								
PCB-1016	12674-11-2	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1221	11104-28-2	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1232	11141-16-5	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1242	53469-21-9	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1248	12672-29-6	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1254	11097-69-1	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
PCB-1260	11096-82-5	ND		ug/L	8082	5.00	C R	12/20/2011 11:06 AM
pH Aqueous paper test								
pH	-----	4.50		S.U.	9041A		R B	12/20/2011 4:54 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	0.76		mg/kg	7.3.3.2	0.20	R B	12/19/2011 5:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	12/19/2011 5:44 PM
Semi Volatile Organics (TCL) - aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2-Chlorophenol	95-57-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4-Dichlorophenol	120-83-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4-Dimethylphenol	105-67-9	1230		ug/L	8270C	200	I R	12/20/2011 5:55 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4-Dinitrophenol	51-28-5	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2-Methylphenol	95-48-7	11000	E	ug/L	8270C	200	I R	12/20/2011 5:55 PM
2-Nitrophenol	88-75-5	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
4-Nitrophenol	100-02-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Phenol	108-95-2	6430		ug/L	8270C	200	I R	12/20/2011 5:55 PM
Pentachlorophenol	87-86-5	34.4		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4,5-Trichlorophenol	95-95-4	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4,6-Trichlorophenol	88-06-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Acenaphthene	83-32-9	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Acenaphthylene	208-96-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418
Lab Sample #: 36418-3
Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM
Sampled By: KS
Sample Matrix: Aqueous
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Anthracene	120-12-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Benzo[a]anthracene	56-55-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Benzo[a]pyrene	50-32-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Benzo[b]fluoranthene	205-99-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Benzo[g,h,i]perylene	191-24-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Benzo[k]fluoranthene	207-08-9	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
bis (2-Chloroethyl) ether	111-44-4	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,2'-Oxybis(1-Chloropropane)	108-60-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
bis (2-Ethylhexyl) phthalate	117-81-7	3240		ug/L	8270C	200	I R	12/20/2011 5:55 PM
Butylbenzylphthalate	85-68-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
4-Bromophenyl-phenylether	101-55-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Carbazole	86-74-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
4-Chloroaniline	106-47-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2-Chloronaphthalene	91-58-7	2160		ug/L	8270C	200	I R	12/20/2011 5:55 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Chrysene	218-01-9	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Dibenz[a,h]anthracene	53-70-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Dibenzofuran	132-64-9	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
3,3'-Dichlorobenzidine	91-94-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
1,2-Dichlorobenzene	95-50-1	166		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
1,3-Dichlorobenzene	541-73-1	12.4		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
1,4-Dichlorobenzene	106-46-7	14.2		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Diethylphthalate	84-66-2	615		ug/L	8270C	200	I R	12/20/2011 5:55 PM
Dimethylphthalate	131-11-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Di-n-butylphthalate	84-74-2	11.6		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Di-n-octylphthalate	117-84-0	135		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,4-Dinitrotoluene	121-14-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,6-Dinitrotoluene	606-20-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Fluoranthene	206-44-0	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Fluorene	86-73-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Hexachlorobenzene	118-74-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Hexachlorobutadiene	87-68-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418

Lab Sample #: 36418-3

Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM

Sampled By: KS

Sample Matrix: Aqueous

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - aqueous								
Hexachlorocyclopentadiene	77-47-4	ND		ug/L	8270C	25.0	I R	12/20/2011 2:59 PM
Hexachloroethane	67-72-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Isophorone	78-59-1	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2-Methylnaphthalene	91-57-6	14.5		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Naphthalene	91-20-3	58.6		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2-Nitroaniline	88-74-4	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
3-Nitroaniline	99-09-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
4-Nitroaniline	100-01-6	77.5		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Nitrobenzene	98-95-3	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
n-Nitrosodiphenylamine	86-30-6	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Phenanthrene	85-01-8	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Pyrene	129-00-0	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
1,2,4-Trichlorobenzene	120-82-1	1040		ug/L	8270C	200	I R	12/20/2011 5:55 PM
3- & 4- Methylphenol	61379-65-5	4460		ug/L	8270C	200	I R	12/20/2011 5:55 PM
1,4-Dioxane	123-91-1	ND		ug/L	8270C	50.0	I R	12/20/2011 2:59 PM
Benzaldehyde	100-52-7	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Acetophenone	71777-36-1	1400		ug/L	8270C	200	I R	12/20/2011 5:55 PM
1,1-Biphenyl	92-52-4	119		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Atrazine	1912-24-9	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
Caprolactam	105-60-2	ND		ug/L	8270C	25.0	I R	12/20/2011 2:59 PM
1,2.4,5-Tetrachlorobenzene	95-94-3	12.8		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
2,3,4,6-Tetrachlorophenol	58-90-2	ND		ug/L	8270C	10.0	I R	12/20/2011 2:59 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	N H	12/19/2011 4:17 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
Barium	7440-39-3	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418
Lab Sample #: 36418-3
Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM
Sampled By: KS
Sample Matrix: Aqueous
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Metals								
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	12/19/2011 3:31 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
2-Methylphenol	95-48-7	127	E	mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
3- & 4- Methylphenol	61379-65-5	53.0	E	mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	1.00	I R	12/20/2011 7:31 PM
TCLP Volatiles								
Benzene	71-43-2	0.64		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Chlorobenzene	108-90-7	0.04		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Chloroform	67-66-3	6.78		mg/L	1311/8260B	0.10	I R	12/20/2011 9:57 PM
1,2-Dichloroethane	107-06-2	0.08		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
1,1-Dichloroethene	75-35-4	0.06		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Methyl Ethyl Ketone (MEK)	78-93-3	50.1		mg/L	1311/8260B	0.50	I R	12/20/2011 9:57 PM
Tetrachloroethene (PCE)	127-18-4	1.57		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Trichloroethene (TCE)	79-01-6	0.12		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	12/20/2011 12:52 AM
Total Solids (Residue)								
Solids, Total		7070		mg/L	2540B	1.00	S M	12/21/2011 12:00 PM
Volatile Organics (TCL) - aqueous								
Acetone	67-64-1	ND		ug/L	8260B	1000	I R	12/20/2011 7:42 PM
Benzene	71-43-2	7240		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Bromoform	75-25-2	196		ug/L	8260B	100	I R	12/20/2011 7:42 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418
Lab Sample #: 36418-3
Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM
Sampled By: KS
Sample Matrix: Aqueous
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
(Tribromomethane)								
Bromodichloromethane	75-27-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Bromomethane	74-83-9	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
2-Butanone (MEK)	78-93-3	60200		ug/L	8260B	1000	I R	12/20/2011 7:42 PM
Carbon disulfide	75-15-0	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Carbon Tetrachloride	56-23-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Chlorobenzene	108-90-7	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Chloroethane	75-00-3	234		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Chloroform	67-66-3	7440		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Dibromochloromethane	124-48-1	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,1-Dichloroethane	75-34-3	1020		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,2-Dichloroethane	107-06-2	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
cis-1,3-Dichloropropene	10061-01-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
trans-1,3-Dichloropropene	10061-02-6	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,2-Dichloropropane	78-87-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Ethylbenzene	100-41-4	1310		ug/L	8260B	100	I R	12/20/2011 7:42 PM
2-Hexanone	591-78-6	ND		ug/L	8260B	1000	I R	12/20/2011 7:42 PM
Methylene Chloride (Dichloromethane)	75-09-2	78200		ug/L	8260B	800	I R	12/20/2011 6:00 PM
4-methyl-2-pentanone (MIBK)	108-10-1	13000		ug/L	8260B	1000	I R	12/20/2011 7:42 PM
Styrene	100-42-5	4940		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Toluene	108-88-3	10800		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,1,1-Trichloroethane	71-55-6	42200		ug/L	8260B	400	I R	12/20/2011 6:00 PM
1,1,2-Trichloroethane	79-00-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Vinyl Chloride	75-01-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
o-Xylene	95-47-6	2330		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,1-Dichloroethene	75-35-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
trans-1,2-Dichloroethene	156-60-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Trichloroethene (TCE)	79-01-6	138		ug/L	8260B	100	I R	12/20/2011 7:42 PM
cis-1,2-Dichloroethene	156-59-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Dichlorodifluoromethane	75-71-8	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Trichlorofluoromethane	75-69-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36418

Lab Sample #: 36418-3

Client Sample ID: Frac Tank 3

Date Sampled: 12/12/2011 4:30 PM

Sampled By: KS

Sample Matrix: Aqueous

Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - aqueous								
1,1,2-Trichloro-1,2, 2-Trifluoroethane	76-13-1	212		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Methyl Acetate	79-20-9	5100		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Bromochloromethane	74-97-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Cyclohexane	110-82-7	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Methylcyclohexane	108-87-2	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
Tetrachloroethene (PCE)	127-18-4	2230		ug/L	8260B	100	I R	12/20/2011 7:42 PM
m,p-Xylene	136777-61-2	4660		ug/L	8260B	200	I R	12/20/2011 7:42 PM
Isopropylbenzene (Cumene)	98-82-8	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,2-Dichlorobenzene	95-50-1	538		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,3-Dichlorobenzene	541-73-1	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,4-Dichlorobenzene	106-46-7	ND		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,2,4-Trichlorobenzene	120-82-1	2700		ug/L	8260B	100	I R	12/20/2011 7:42 PM
1,2,3-Trichlorobenzene	87-61-6	585		ug/L	8260B	100	I R	12/20/2011 7:42 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item C

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-1
Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Diesel Range Organics - Non-aqueous (8015D)								
Diesel Range Organics	-----	80.6		mg/kg	8015D	50.0	S M	3/30/2012 10:53 PM
Gasoline Range Organics - Non-aqueous (8015D)								
Gasoline Range Organics	-----	4.65		mg/kg	8015D	0.10	S M	4/3/2012 1:09 PM
Heat of Combustion.								
Heat of Combustion	BTU	No		Y/N	ASTM D240		S UB	3/29/2012 12:00 AM
Ignitability								
Ignitability		No		Y/N	1030		R B	3/30/2012 9:13 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	0.016		mg/kg	7471A	0.005	N H	3/28/2012 1:19 PM
Metals (Total - TAL) - non-aqueous								
Aluminum	7429-90-5	2860		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Antimony	7440-36-0	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Barium	7440-39-3	54.5		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Calcium	7440-70-2	2070		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Chromium	7440-47-3	8.37		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Cobalt	7440-48-4	4.92		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Copper	7440-50-8	55.1		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Iron	7439-89-6	11400		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Lead	7439-92-1	19.9		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Magnesium	7439-95-4	404		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Manganese	7439-96-5	612		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Nickel	7440-02-0	22.8		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Potassium	7440-09-7	232		mg/kg	6010B	5.00	N H	3/28/2012 1:23 PM
Selenium	7782-49-2	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Silver	7440-22-4	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-1
Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Metals (Total - TAL) - non-aqueous								
Sodium	7440-23-5	724		mg/kg	6010B	50.0	N H	3/28/2012 1:27 PM
Thallium	7440-28-0	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Vanadium	7440-62-2	18.4		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Zinc	7440-66-6	94.7		mg/kg	6010B	0.50	N H	3/28/2012 1:23 PM
Paint Filter Test / Free Liquids								
Paint Filter Test / Free Liquids		No		Y/N	9095B		R B	3/30/2012 8:50 AM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	0.025	S M	3/30/2012 6:07 PM
Percent Moisture/Percent Solid								
Total Moisture		37.6		%	2540B	0.10	W W	4/2/2012 3:00 PM
pH - non-aqueous								
Corrosivity (pH)		7.27		S.U.	9045C		R B	3/30/2012 9:17 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	3/29/2012 12:32 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	3/29/2012 11:12 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4-Dimethylphenol	105-67-9	0.362		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.250	I R	3/28/2012 8:51 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-1

Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
2-Methylphenol	95-48-7	4.108		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Phenol	108-95-2	2.191		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
bis (2-Ethylhexyl) phthalate	117-81-7	0.697		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2-Chloronaphthalene	91-58-7	0.516		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Chrysene	218-01-9	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.200	I R	3/28/2012 8:51 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Diethylphthalate	84-66-2	1.103		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-1
Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Fluorene	86-73-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.250	I R	3/28/2012 8:51 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
Pyrene	129-00-0	ND		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
1,2,4-Trichlorobenzene	120-82-1	0.356		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
4-Methylphenol	106-44-5	1.443		mg/kg	8270C	0.100	I R	3/28/2012 8:51 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	4/2/2012 2:41 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
Barium	7440-39-3	0.58		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-1
Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
TCLP Metals								
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:46 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
2-Methylphenol	95-48-7	4.30		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
3- & 4- Methylphenol	61379-65-5	1.48		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 2:07 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Chloroform	67-66-3	0.07		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 5:32 PM
Tetrachloroethene (PCE)	127-18-4	0.03		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 5:32 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	4/2/2012 5:30 PM
Benzene	71-43-2	8.367		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Bromoform (Tribromomethane)	75-25-2	7.694		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-1

Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
2-Butanone (MEK)	78-93-3	25.00		mg/kg	8260B	20.00	I R	4/2/2012 5:30 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Chlorobenzene	108-90-7	5.177		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Chloroform	67-66-3	86.50		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1-Dichloroethane	75-34-3	4.824		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Ethylbenzene	100-41-4	116.4		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	4/2/2012 5:30 PM
Methylene Chloride (Dichloromethane)	75-09-2	138.7		mg/kg	8260B	4.000	I R	4/2/2012 5:30 PM
4-methyl-2-pentanone (MIBK)	108-10-1	42.07		mg/kg	8260B	20.00	I R	4/2/2012 5:30 PM
Styrene	100-42-5	461.6		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Tetrachloroethene (PCE)	127-18-4	284.5		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Toluene	108-88-3	451.2		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1,1-Trichloroethane	71-55-6	796.6		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Trichloroethene (TCE)	79-01-6	6.427		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Isopropylbenzene (Cumene)	98-82-8	3.590		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2-Dichlorobenzene	95-50-1	70.84		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,3-Dichlorobenzene	541-73-1	4.344		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-1

Client Sample ID: Spent Carbon

Date Sampled: 3/26/2012 1:20 PM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,4-Dichlorobenzene	106-46-7	5.610		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2,3-Trichlorobenzene	87-61-6	26.05		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
m,p-Xylene	136777-61-2	456.3		mg/kg	8260B	4.000	I R	4/2/2012 5:30 PM
o-Xylene	95-47-6	169.9		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,2,4-Trichlorobenzene	120-82-1	117.8		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	15.42		mg/kg	8260B	2.000	I R	4/2/2012 5:30 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item D

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-1
Client Sample ID: AST Composite

Date Sampled: 1/10/2012 10:00 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Diesel Range Organics - Non-aqueous								
Diesel Range Organics	-----	34800		mg/kg	8015B	1000	C R	1/13/2012 3:07 PM
Gasoline Range Organics - Non-aqueous								
Gasoline Range Organics	-----	6990		mg/kg	8015B	250	C R	1/17/2012 11:58 AM
Heat of Combustion								
Heat of Combustion	BTU	14800		BTU/lb	ASTM D240	500	SU B	1/16/2012 12:00 PM
Ignitability (Flashpoint)								
Ignitability		60		o C	1010A		R B	1/13/2012 4:58 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.005	N H	1/13/2012 3:53 PM
Metals (Total - TAL) - non-aqueous								
Aluminum	7429-90-5	12.2		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Antimony	7440-36-0	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Barium	7440-39-3	52.2		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Calcium	7440-70-2	1950		mg/kg	6010B	50.0	N H	1/13/2012 4:31 PM
Chromium	7440-47-3	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Cobalt	7440-48-4	5.40		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Copper	7440-50-8	1.50		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Iron	7439-89-6	432		mg/kg	6010B	50.0	N H	1/13/2012 4:31 PM
Lead	7439-92-1	79.7		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Magnesium	7439-95-4	18.4		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Manganese	7439-96-5	36.3		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Nickel	7440-02-0	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Potassium	7440-09-7	163		mg/kg	6010B	5.00	N H	1/13/2012 4:16 PM
Selenium	7782-49-2	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Silver	7440-22-4	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Sodium	7440-23-5	155		mg/kg	6010B	50.0	N H	1/13/2012 4:31 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514

Lab Sample #: 36514-1

Client Sample ID: AST Composite

Date Sampled: 1/10/2012 10:00 AM

Sampled By: KS

Sample Matrix: Solid

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Metals (Total - TAL) - non-aqueous								
Thallium	7440-28-0	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Zinc	7440-66-6	34.9		mg/kg	6010B	0.50	N H	1/13/2012 4:16 PM
Paint Filter Test / Free Liquids								
Paint Filter Test / Free Liquids		Yes		Y/N	9095		R B	1/13/2012 4:59 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1221	11104-28-2	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1232	11141-16-5	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1242	53469-21-9	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1248	12672-29-6	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1254	11097-69-1	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
PCB-1260	11096-82-5	ND		mg/kg	8082	0.500	C R	1/17/2012 10:04 AM
pH - non-aqueous								
Corrosivity (pH)		4.86		S.U.	9045C		R B	1/13/2012 4:59 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	1/13/2012 9:21 AM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	1/13/2012 11:20 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	25.00	I R	1/16/2012 9:19 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Phenol	108-95-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM

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Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Anthracene	120-12-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Carbazole	86-74-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Chrysene	218-01-9	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	1/16/2012 9:19 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM

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Sampled By: KS
Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Fluorene	86-73-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	25.00	I R	1/16/2012 9:19 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Isophorone	78-59-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2-Methylnaphthalene	91-57-6	19.75		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Naphthalene	91-20-3	73.10		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
Pyrene	129-00-0	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	10.00	I R	1/16/2012 9:19 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	1/17/2012 1:53 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Barium	7440-39-3	0.32		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Lead	7439-92-1	0.24		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:20 PM
TCLP Semivolatiles								

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Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 2:48 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	1/17/2012 5:21 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:21 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:53 PM
Benzene	71-43-2	2.750		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:53 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM

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Sampled By: KS
Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Ethylbenzene	100-41-4	53.48		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:53 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	4.000	I R	1/17/2012 9:53 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:53 PM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Toluene	108-88-3	39.29		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Isopropylbenzene (Cumene)	98-82-8	41.95		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM

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Sample Matrix: Solid
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
m,p-Xylene	136777-61-2	259.0		mg/kg	8260B	4.000	I R	1/17/2012 9:53 PM
o-Xylene	95-47-6	134.0		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:53 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item E

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-2

Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Diesel Range Organics - Non-aqueous (8015D)								
Diesel Range Organics	-----	ND		mg/kg	8015D	50000	S M	4/3/2012 4:30 PM
Gasoline Range Organics - Non-aqueous (8015D)								
Gasoline Range Organics	-----	122		mg/kg	8015D	100	S M	4/3/2012 2:35 PM
Heat of Combustion								
Heat of Combustion	BTU	12300		BTU/lb	ASTM D240	500	S UB	3/29/2012 12:00 AM
Ignitability								
Ignitability		No		Y/N	1030		R B	3/30/2012 9:17 AM
Mercury - Non-aqueous								
Mercury	7439-97-6	0.058		mg/kg	7471A	0.005	N H	3/28/2012 1:21 PM
Metals (Total - TAL) - non-aqueous								
Aluminum	7429-90-5	626		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Antimony	7440-36-0	1.06		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Barium	7440-39-3	1050		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Cadmium	7440-43-9	4.48		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Calcium	7440-70-2	2550		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Chromium	7440-47-3	10.8		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Cobalt	7440-48-4	11.1		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Copper	7440-50-8	147		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Iron	7439-89-6	138000		mg/kg	6010B	500	N H	3/28/2012 2:53 PM
Lead	7439-92-1	730		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Magnesium	7439-95-4	185		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Manganese	7439-96-5	433		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Nickel	7440-02-0	23.2		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Potassium	7440-09-7	163		mg/kg	6010B	5.00	N H	3/28/2012 1:29 PM
Selenium	7782-49-2	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Silver	7440-22-4	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Sodium	7440-23-5	124		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Thallium	7440-28-0	ND		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM
Vanadium	7440-62-2	8.97		mg/kg	6010B	0.50	N H	3/28/2012 1:29 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-2

Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Metals (Total - TAL) - non-aqueous								
Zinc	7440-66-6	1580		mg/kg	6010B	50.0	N H	3/28/2012 1:41 PM
Paint Filter Test / Free Liquids								
Paint Filter Test / Free Liquids		No		Y/N	9095B		R B	3/30/2012 8:50 AM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	0.025	S M	3/30/2012 6:27 PM
Percent Moisture/Percent Solid								
Total Moisture		9.17		%	2540B	0.10	W W	4/2/2012 3:00 PM
pH - non-aqueous								
Corrosivity (pH)		7.85		S.U.	9045C		R B	3/30/2012 10:28 AM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	3/29/2012 12:32 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	3/29/2012 11:17 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	2.500	I R	3/29/2012 3:39 AM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-2

Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Phenol	108-95-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Acenaphthene	83-32-9	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Anthracene	120-12-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
bis (2-Ethylhexyl) phthalate	117-81-7	4.030		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Carbazole	86-74-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Chrysene	218-01-9	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	2.000	I R	3/29/2012 3:39 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Dimethylphthalate	131-11-3	3.358		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-2
Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Fluoranthene	206-44-0	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Fluorene	86-73-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	2.500	I R	3/29/2012 3:39 AM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Isophorone	78-59-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2-Methylnaphthalene	91-57-6	2.400		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Naphthalene	91-20-3	28.93		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Phenanthrene	85-01-8	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
Pyrene	129-00-0	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	1.000	I R	3/29/2012 3:39 AM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	4/2/2012 2:50 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Barium	7440-39-3	0.76		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Lead	7439-92-1	0.60		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	4/2/2012 12:48 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866
Lab Sample #: 36866-2
Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	4/3/2012 3:53 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	4/3/2012 4:57 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	4/3/2012 4:57 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	29.51		mg/kg	8260B	4.000	I R	4/3/2012 1:52 PM
Benzene	71-43-2	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	4.000	I R	4/3/2012 1:52 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-2

Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Chlorobenzene	108-90-7	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Chloroform	67-66-3	3.448		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Ethylbenzene	100-41-4	2.184		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	4.000	I R	4/3/2012 1:52 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	0.800	I R	4/3/2012 1:52 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	4.000	I R	4/3/2012 1:52 PM
Styrene	100-42-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Toluene	108-88-3	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Isopropylbenzene (Cumene)	98-82-8	5.478		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM

ANALYTICAL REPORT

Project Name: Rivrside Avenue Site

Lab Project #: 36866

Lab Sample #: 36866-2

Client Sample ID: AST 11 - bldg 7 TR2

Date Sampled: 3/26/2012 11:00 AM
Sampled By: RB
Sample Matrix: Soil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
m,p-Xylene	136777-61-2	14.22		mg/kg	8260B	0.800	I R	4/3/2012 1:52 PM
o-Xylene	95-47-6	14.44		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM
1,1,2-Trichloro-1,2, 2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	0.400	I R	4/3/2012 1:52 PM

This sample has no pattern of DRO. Please see attached DRO Chromatogram.
So result reported is ND.

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\APR12\040212\53.D Vial: 36
Acq On : ~~3 Apr 2012~~ 4:30 pm Operator: S.Mehmood
Sample : 36866-2 1000x Inst : DRO-1
Misc : Multiplr: 1.00
IntFile : EVENTS1.E
Quant Time: Apr 3 17:09 2012 Quant Results File: DRO0207.RES

Quant Method : C:\HPCHEM\1\METHODS\DRO0207.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 24 16:34:15 2012
Response via : Initial Calibration
DataAcq Meth : TPH8015D.M

Volume Inj. : 2.0uLs
Signal Phase : Rtx-5
Signal Info : 0.32mmID, 0.25um, 30m

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
Target Compounds					
5) T DRO C10 - C28	14.69	10781845	1934.112	ppm	m

1860.837 x1000

1,860,837.00 ppm

Please Note:

This sample has no pattern of DRO. Please see attached DRO chromatogramme. & result reported. ND.

(f)=RT Delta > 1/2 Window (m)=manual int.
53.D DRO0207.M Wed Apr 04 11:44:37 2012 DRO-1 Page 1

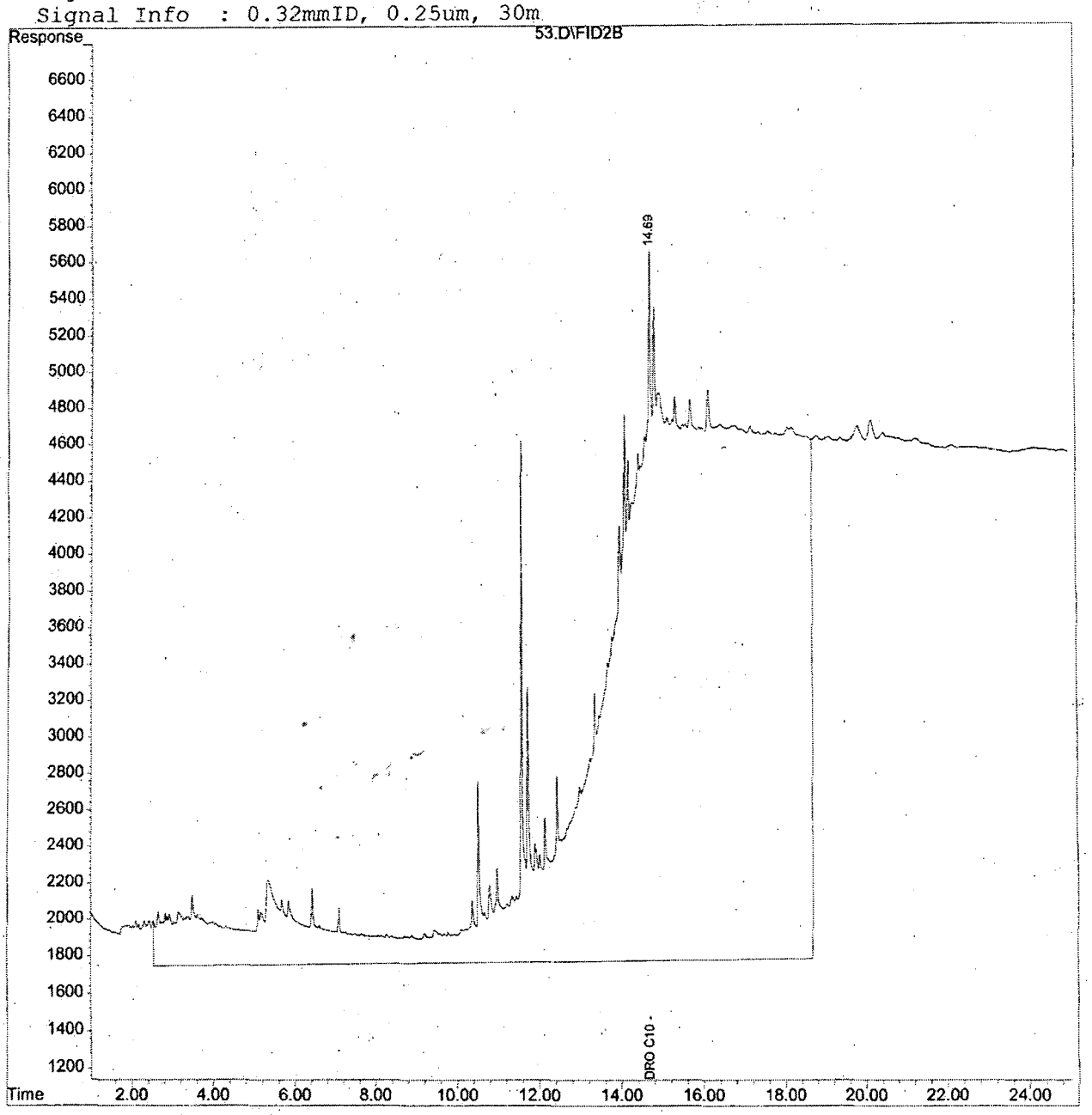
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR12\040212\53.D
Acq On : 3 Apr 2012 4:30 pm
Sample : 36866-2 1000x
Misc :
IntFile : EVENTS1.E
Quant Time: Apr 3 17:09 2012 Quant Results File: DRO0207.RES

Vial: 36
Operator: S.Mehmood
Inst : DRO-1
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\DRO0207.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 24 16:34:15 2012
Response via : Multiple Level Calibration
DataAcq Meth : TPH8015D.M

Volume Inj. : 2.0uLs
Signal Phase : Rtx-5
Signal Info : 0.32mmID, 0.25um, 30m



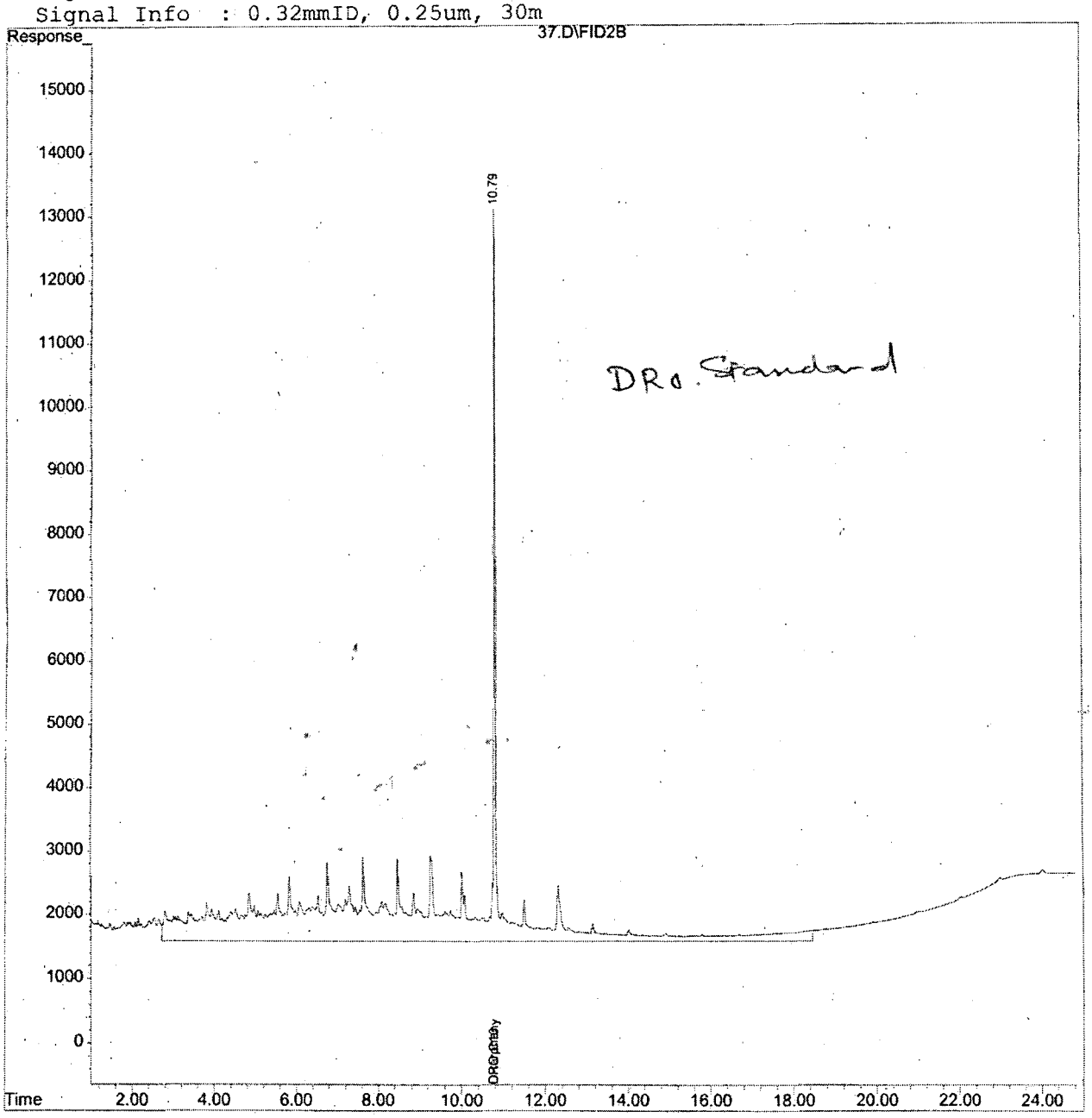
Quantitation Report

Data File : C:\HPCHEM\1\DATA\APR12\040212\37.D
Acq On : 3 Apr 2012 8:00 am
Sample : DRO Spk
Misc :
IntFile : EVENTS1.E
Quant Time: Apr 3 17:27 2012 Quant Results File: DRO0207.RES

Vial: 20
Operator: S.Mehmood
Inst : DRO-1
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\DRO0207.M (Chemstation Integrator)
Title :
Last Update : Fri Feb 24 16:34:15 2012
Response via : Multiple Level Calibration
DataAcq Meth : DRO8015D.M

Volume Inj. : 2.0uLs
Signal Phase : Rtx-5
Signal Info : 0.32mmID, 0.25um, 30m



Line Item F

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274
Lab Sample #: 36274-6
Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM
Sampled By: KS
Sample Matrix: Sludge
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Diesel Range Organics - Non-aqueous								
Diesel Range Organics	-----	23700		mg/kg	8015B	500	C R	11/15/2011 10:28 AM
Gasoline Range Organics - Non-aqueous								
Gasoline Range Organics	-----	26.6		mg/kg	8015B	0.10	C R	11/16/2011 12:39 PM
Heat of Combustion.								
Heat of Combustion	BTU	No		Y/N	ASTM D240		SU B	
Ignitability (Flashpoint)								
Ignitability		No		Y/N	1010A		R B	11/17/2011 1:02 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	ND		mg/kg	7471A	0.005	S M	11/17/2011 6:13 PM
Metals (Total - TAL) - non-aqueous								
Aluminum	7429-90-5	71.0		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Antimony	7440-36-0	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Barium	7440-39-3	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Calcium	7440-70-2	141		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Chromium	7440-47-3	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Cobalt	7440-48-4	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Copper	7440-50-8	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Iron	7439-89-6	338		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Lead	7439-92-1	34.4		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Magnesium	7439-95-4	63.1		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Manganese	7439-96-5	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Nickel	7440-02-0	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Potassium	7440-09-7	136		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Selenium	7782-49-2	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Silver	7440-22-4	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Sodium	7440-23-5	28100		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Thallium	7440-28-0	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274

Lab Sample #: 36274-6

Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM
Sampled By: KS
Sample Matrix: Sludge
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Metals (Total - TAL) - non-aqueous								
Zinc	7440-66-6	43.9		mg/kg	6010B	31.2	S M	11/17/2011 3:49 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	0.025	C R	11/14/2011 3:39 PM
Percent Moisture/Percent Solid								
Total Moisture		44.8		%	2540B	0.10	W W	11/16/2011 12:30 PM
Solids, Total		55.2		%	2540B	0.10	W W	11/16/2011 12:30 PM
pH - non-aqueous								
Corrosivity (pH)		6.50		S.U.	9045C		R B	11/14/2011 3:51 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	11/15/2011 3:52 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	11/15/2011 1:03 PM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.250	I R	11/15/2011 5:54 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Phenol	108-95-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274

Lab Sample #: 36274-6

Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM

Sampled By: KS

Sample Matrix: Sludge

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Chrysene	218-01-9	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.200	I R	11/15/2011 5:54 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274
Lab Sample #: 36274-6
Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM
Sampled By: KS
Sample Matrix: Sludge
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Fluorene	86-73-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.250	I R	11/15/2011 5:54 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Naphthalene	91-20-3	1.464		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
Pyrene	129-00-0	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	0.100	I R	11/15/2011 5:54 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/7470A	0.001	S M	11/17/2011 4:10 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Barium	7440-39-3	0.43		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	S M	11/16/2011 12:01 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274
Lab Sample #: 36274-6
Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM
Sampled By: KS
Sample Matrix: Sludge
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	11/16/2011 7:35 PM
TCLP Volatiles								
Benzene	71-43-2	0.10		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Methyl Ethyl Ketone (MEK)	78-93-3	0.19		mg/L	1311/8260B	0.10	I R	11/15/2011 4:39 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	11/15/2011 4:39 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	48.02		mg/kg	8260B	10.00	I R	11/15/2011 8:22 PM
Benzene	71-43-2	21.75		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	10.00	I R	11/15/2011 8:22 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274

Lab Sample #: 36274-6

Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM

Sampled By: KS

Sample Matrix: Sludge

Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Chloroform	67-66-3	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Ethylbenzene	100-41-4	1.903		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	10.00	I R	11/15/2011 8:22 PM
Methylene Chloride (Dichloromethane)	75-09-2	7.992		mg/kg	8260B	2.000	I R	11/15/2011 8:22 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	10.00	I R	11/15/2011 8:22 PM
Styrene	100-42-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Toluene	108-88-3	13.36		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36274
Lab Sample #: 36274-6
Client Sample ID: Bldg 7 Roof Varnish Tank 1

Date Sampled: 11/10/2011 10:40 AM
Sampled By: KS
Sample Matrix: Sludge
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
m,p-Xylene	136777-61-2	6.343		mg/kg	8260B	2.000	I R	11/15/2011 8:22 PM
o-Xylene	95-47-6	2.592		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	1.000	W W	11/15/2011 8:22 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	1.000	I R	11/15/2011 8:22 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	1.000	W W	11/15/2011 8:22 PM

Sample analyses conducted for BTU, but could not get results due to matrix.
Matrix did not combust due too to much water in the sample.

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item G

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Diesel Range Organics - Non-aqueous								
Diesel Range Organics	-----	361		mg/kg	8015B	50.0	C R	1/13/2012 2:12 PM
Gasoline Range Organics - Non-aqueous								
Gasoline Range Organics	-----	1110		mg/kg	8015B	250	C R	1/17/2012 12:54 PM
Heat of Combustion.								
Heat of Combustion	BTU	No		Y/N	ASTM D240		SU B	1/16/2012 12:00 PM
Ignitability (Flashpoint)								
Ignitability		No		Y/N	1010A		R B	1/13/2012 4:59 PM
Mercury - Non-aqueous								
Mercury	7439-97-6	0.377		mg/kg	7471A	0.010	N H	1/13/2012 4:10 PM
Metals (Total - TAL) - non-aqueous								
Aluminum	7429-90-5	5420		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Antimony	7440-36-0	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Barium	7440-39-3	53.0		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Calcium	7440-70-2	4740		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Chromium	7440-47-3	9.50		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Cobalt	7440-48-4	4.00		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Copper	7440-50-8	29.3		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Iron	7439-89-6	12300		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Lead	7439-92-1	42.7		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Magnesium	7439-95-4	3070		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Manganese	7439-96-5	278		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Nickel	7440-02-0	8.10		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Potassium	7440-09-7	659		mg/kg	6010B	5.00	N H	1/13/2012 4:34 PM
Selenium	7782-49-2	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Silver	7440-22-4	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Sodium	7440-23-5	286		mg/kg	6010B	50.0	N H	1/13/2012 4:38 PM
Thallium	7440-28-0	ND		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Vanadium	7440-62-2	11.2		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Metals (Total - TAL) - non-aqueous								
Zinc	7440-66-6	48.8		mg/kg	6010B	0.50	N H	1/13/2012 4:34 PM
Paint Filter Test / Free Liquids								
Paint Filter Test / Free Liquids		Yes		Y/N	9095		R B	1/13/2012 5:00 PM
PCBs - Non-aqueous								
PCB-1016	12674-11-2	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1221	11104-28-2	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1232	11141-16-5	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1242	53469-21-9	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1248	12672-29-6	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1254	11097-69-1	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
PCB-1260	11096-82-5	ND		mg/kg	8082	0.100	C R	1/17/2012 10:25 AM
pH - non-aqueous								
Corrosivity (pH)		9.06		S.U.	9045C		R B	1/13/2012 5:00 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	1/13/2012 9:22 AM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	1/13/2012 9:23 AM
Semi Volatile Organics (TCL) - non-aqueous								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	0.500	I R	1/13/2012 6:24 PM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Phenol	108-95-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Acenaphthene	83-32-9	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Anthracene	120-12-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
bis (2-Ethylhexyl) phthalate	117-81-7	0.529		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Carbazole	86-74-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Chrysene	218-01-9	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	0.400	I R	1/13/2012 6:24 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Fluoranthene	206-44-0	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM

Mid-Atlantic Environmental Laboratories, Inc.

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - non-aqueous								
Fluorene	86-73-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	0.500	I R	1/13/2012 6:24 PM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Isophorone	78-59-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2-Methylnaphthalene	91-57-6	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Naphthalene	91-20-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Phenanthrene	85-01-8	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
Pyrene	129-00-0	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	0.200	I R	1/13/2012 6:24 PM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	1/17/2012 1:55 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Barium	7440-39-3	0.81		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Chromium	7440-47-3	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Lead	7439-92-1	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	0.05	N H	1/17/2012 2:18 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
Pyridine	110-86-1	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	0.10	I R	1/17/2012 5:57 PM
TCLP Volatiles								
Benzene	71-43-2	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	0.10	I R	1/17/2012 5:55 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	0.02	I R	1/17/2012 5:55 PM
Volatile Organics (TCL) - non-aqueous								
Acetone	67-64-1	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:19 PM
Benzene	71-43-2	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:19 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Chloroethane	75-00-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
Chloroform	67-66-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Ethylbenzene	100-41-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:19 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	4.000	I R	1/17/2012 9:19 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	20.00	I R	1/17/2012 9:19 PM
Styrene	100-42-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Toluene	108-88-3	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Isopropylbenzene (Cumene)	98-82-8	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1,-Dichloroethene	75-35-4	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36514
Lab Sample #: 36514-2
Client Sample ID: Drill Cuttings

Date Sampled: 1/10/2012 11:30 AM
Sampled By: KS
Sample Matrix: Solid
Sample Type: Grab

Analyte	CASRN	Result	Q	Units	Method	PQL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - non-aqueous								
m,p-Xylene	136777-61-2	ND		mg/kg	8260B	4.000	I R	1/17/2012 9:19 PM
o-Xylene	95-47-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	2.000	I R	1/17/2012 9:19 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

Line Item H

Mid-Atlantic
Environmental Laboratories, Inc.
30 Lukens Drive, Suite A
New Castle, DE 19720
Phone: 302-654-1340 / TOLL FREE: 877-654-1340
www.maelinc.com
mael@maelinc.com

Analytical Report

Project Name: Riverside Avenue Site

MAEL Job Number: 36944

Client: KEMRON Environmental Services
1359-A Ellsworth Industrial Boulevard
Atlanta, GA 30318

Contact Name: Janelle Murphy

Date Received: 04/11/2012

Date Reported: 4/19/2012

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944
Lab Sample #: 36944-1
Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Diesel Range Organics - Oil (8015D)								
Diesel Range Organics	-----	47700		mg/kg	8015D	500	S M	4/16/2012 10:48 PM
Gasoline Range Organics - Oil (8015D)								
Gasoline Range Organics	-----	2160		mg/kg	8015D	250	S M	4/18/2012 12:01 PM
Heat of Combustion								
Heat of Combustion	BTU	16600		BTU/lb	ASTM D240	500	S UB	4/13/2012 12:00 AM
Ignitability (Flashpoint)								
Ignitability		55.0		o C	1010A		R B	4/18/2012 4:01 PM
Mercury - Oil								
Mercury	7439-97-6	ND		mg/kg	7471A	0.005	N H	4/17/2012 2:49 PM
Metals (Total - TAL) - oil								
Aluminum	7429-90-5	110		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Antimony	7440-36-0	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Arsenic	7440-38-2	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Barium	7440-39-3	14.2		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Beryllium	7440-41-7	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Cadmium	7440-43-9	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Calcium	7440-70-2	659		mg/kg	6010B	250	N H	4/16/2012 5:24 PM
Chromium	7440-47-3	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Cobalt	7440-48-4	8.11		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Copper	7440-50-8	5.28		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Iron	7439-89-6	983		mg/kg	6010B	250	N H	4/16/2012 5:24 PM
Lead	7439-92-1	213		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Magnesium	7439-95-4	58.6		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Manganese	7439-96-5	217		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Nickel	7440-02-0	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Potassium	7440-09-7	60.8		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Selenium	7782-49-2	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Silver	7440-22-4	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Metals (Total - TAL) - oil								
Sodium	7440-23-5	336		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Thallium	7440-28-0	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Vanadium	7440-62-2	ND		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
Zinc	7440-66-6	57.2		mg/kg	6010B	5.00	N H	4/16/2012 5:20 PM
PCBs - Oil								
PCB-1016	12674-11-2	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1221	11104-28-2	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1232	11141-16-5	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1242	53469-21-9	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1248	12672-29-6	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1254	11097-69-1	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
PCB-1260	11096-82-5	ND		mg/kg	8082	1.00	S M	4/17/2012 2:03 PM
pH - Aqueous								
pH	-----	4.00		S.U.	SM 4500-H B		R B	4/17/2012 12:25 PM
Reactive Cyanide								
Reactive Cyanide	57-12-5	ND		mg/kg	7.3.3.2	0.20	R B	4/17/2012 1:44 PM
Reactive Sulfide								
Reactive Sulfide	18496-25-8	ND		mg/kg	7.3.4.2	0.20	R B	4/13/2012 4:20 PM
Semi Volatile Organics (TCL) - Oil								
4-Chloro-3-methylphenol	59-50-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2-Chlorophenol	95-57-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,4-Dichlorophenol	120-83-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,4-Dimethylphenol	105-67-9	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4,6-Dinitro-2-methylphenol	534-52-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,4-Dinitrophenol	51-28-5	ND		mg/kg	8270C	50.00	I R	4/13/2012 1:44 AM
2-Methylphenol	95-48-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2-Nitrophenol	88-75-5	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Nitrophenol	100-02-7	ND		mg/kg	8270C	50.00	I R	4/13/2012 1:44 AM
Phenol	108-95-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Pentachlorophenol	87-86-5	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
2,4,5-Trichlorophenol	95-95-4	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Acenaphthene	83-32-9	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Acenaphthylene	208-96-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Anthracene	120-12-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Benzo[a]anthracene	56-55-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Benzo[a]pyrene	50-32-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Benzo[b]fluoranthene	205-99-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Benzo[g,h,i]perylene	191-24-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Benzo[k]fluoranthene	207-08-9	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
bis (2-Chloroethoxy) methane	111-91-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
bis (2-Chloroethyl) ether	111-44-4	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
bis (2-chloroisopropyl) ether	108-60-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
bis (2-Ethylhexyl) phthalate	117-81-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Butylbenzylphthalate	85-68-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Bromophenyl-phenylether	101-55-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Carbazole	86-74-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Chloroaniline	106-47-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2-Chloronaphthalene	91-58-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Chlorophenyl-phenylether	7005-72-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Chrysene	218-01-9	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Dibenz[a,h]anthracene	53-70-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Dibenzofuran	132-64-9	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
3,3'-Dichlorobenzidine	91-94-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Diethylphthalate	84-66-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Dimethylphthalate	131-11-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Di-n-butylphthalate	84-74-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Di-n-octylphthalate	117-84-0	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2,6-Dinitrotoluene	606-20-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Fluoranthene	206-44-0	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Fluorene	86-73-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Hexachlorobenzene	118-74-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Semi Volatile Organics (TCL) - Oil								
Hexachlorobutadiene	87-68-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Hexachlorocyclopentadiene	77-47-4	ND		mg/kg	8270C	50.00	I R	4/13/2012 1:44 AM
Hexachloroethane	67-72-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Indeno[1,2,3-cd]pyrene	193-39-5	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Isophorone	78-59-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2-Methylnaphthalene	91-57-6	110.0		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Naphthalene	91-20-3	653.0		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
2-Nitroaniline	88-74-4	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
3-Nitroaniline	99-09-2	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Nitroaniline	100-01-6	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Nitrobenzene	98-95-3	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
n-Nitrosodiphenylamine	86-30-6	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
n-Nitroso-di-n-propylamine	621-64-7	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Phenanthrene	85-01-8	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
Pyrene	129-00-0	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
4-Methylphenol	106-44-5	ND		mg/kg	8270C	20.00	I R	4/13/2012 1:44 AM
TCLP Mercury								
Mercury	7439-97-6	ND		mg/L	1311/245.1	0.001	N H	4/17/2012 2:49 PM
TCLP Metals								
Arsenic	7440-38-2	ND		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Barium	7440-39-3	14.2		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Cadmium	7440-43-9	ND		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Chromium	7440-47-3	3.88		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Lead	7439-92-1	213		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Selenium	7782-49-2	ND		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
Silver	7440-22-4	ND		mg/L	1311/6010B	2.00	N H	4/16/2012 5:20 PM
TCLP Semivolatiles								
1,4-Dichlorobenzene	106-46-7	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
2,4-Dinitrotoluene	121-14-2	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
Hexachlorobenzene	118-74-1	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
Hexachlorobutadiene	87-68-3	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
TCLP Semivolatiles								
Hexachloroethane	67-72-1	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
2-Methylphenol	95-48-7	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
3- & 4- Methylphenol	61379-65-5	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
Nitrobenzene	98-95-3	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
Pentachlorophenol	87-86-5	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
Pyridine	110-86-1	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
2,4,5-Trichlorophenol	95-95-4	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
2,4,6-Trichlorophenol	88-06-2	ND		mg/L	1311/8270C	20.0	I R	4/13/2012 2:14 AM
TCLP Volatiles								
Benzene	71-43-2	4.77		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Carbon Tetrachloride	56-23-5	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Chlorobenzene	108-90-7	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Chloroform	67-66-3	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
1,2-Dichloroethane	107-06-2	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
1,1-Dichloroethene	75-35-4	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Methyl Ethyl Ketone (MEK)	78-93-3	ND		mg/L	1311/8260B	5.00	I R	4/12/2012 2:25 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Trichloroethene (TCE)	79-01-6	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Vinyl Chloride	75-01-4	ND		mg/L	1311/8260B	1.00	I R	4/12/2012 2:25 PM
Total Solids (Residue)								
Solids, Total		506000		mg/L	2540B	1.00	W W	4/19/2012 12:43 PM
Volatile Organics (TCL) - Oil								
Acetone	67-64-1	ND		mg/kg	8260B	40.00	I R	4/12/2012 1:47 PM
Benzene	71-43-2	4.500		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Bromoform (Tribromomethane)	75-25-2	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Bromodichloromethane	75-27-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Bromomethane	74-83-9	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
2-Butanone (MEK)	78-93-3	ND		mg/kg	8260B	40.00	I R	4/12/2012 1:47 PM
Carbon disulfide	75-15-0	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Carbon Tetrachloride	56-23-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Chlorobenzene	108-90-7	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
Chloroethane	75-00-3	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Chloroform	67-66-3	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Chloromethane (Methyl Chloride)	74-87-3	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Dibromochloromethane	124-48-1	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1-Dichloroethane	75-34-3	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2-Dichloroethane	107-06-2	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Ethylbenzene	100-41-4	331.0		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
2-Hexanone	591-78-6	ND		mg/kg	8260B	40.00	I R	4/12/2012 1:47 PM
Methylene Chloride (Dichloromethane)	75-09-2	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
4-methyl-2-pentanone (MIBK)	108-10-1	ND		mg/kg	8260B	40.00	I R	4/12/2012 1:47 PM
Styrene	100-42-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1,2,2-Tetrachloroethane	79-34-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Tetrachloroethene (PCE)	127-18-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Toluene	108-88-3	127.0		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1,1-Trichloroethane	71-55-6	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1,2-Trichloroethane	79-00-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Trichloroethene (TCE)	79-01-6	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Vinyl Chloride	75-01-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1-Dichloroethene	75-35-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Dichlorodifluoromethane	75-71-8	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Trichlorofluoromethane	75-69-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
trans-1,2-Dichloroethene	156-60-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
cis-1,2-Dichloroethene	156-59-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Methyl tert-butyl ether (MTBE)	1634-04-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2-Dibromoethane (EDB)	106-93-4	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Isopropylbenzene (Cumene)	98-82-8	324.0		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2-Dichlorobenzene	95-50-1	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,3-Dichlorobenzene	541-73-1	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,4-Dichlorobenzene	106-46-7	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2-Dibromo-3-chloropropane (DBCP)	96-12-8	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM

ANALYTICAL REPORT

Project Name: Riverside Avenue Site

Lab Project #: 36944

Lab Sample #: 36944-1

Client Sample ID: Process Lines/AST Fluid

Date Sampled: 4/10/2012 2:40 PM
Sampled By: RC
Sample Matrix: Oil
Sample Type: Composite

Analyte	CASRN	Result	Q	Units	Method	RL	Analyst	Date / Time Analysis
Volatile Organics (TCL) - Oil								
1,2,3-Trichlorobenzene	87-61-6	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,1,2-Trichloro-1,2, 2-Trifluoroethane	76-13-1	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2-Dichloropropane	78-87-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
cis-1,3-Dichloropropene	10061-01-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
trans-1,3-Dichloropropene	10061-02-6	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
1,2,4-Trichlorobenzene	120-82-1	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
m,p-Xylene	136777-61-2	1698		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
o-Xylene	95-47-6	895.0		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM
Bromochloromethane	74-97-5	ND		mg/kg	8260B	4.000	I R	4/12/2012 1:47 PM

Akhter Mehmood
Lab Director

Wayne Wells II
QAQC Director

ANALYTICAL REPORT

Methodology

All analyses are adapted from one or more of the following reference methods:

"Guidelines Establishing Test Procedures for the Analysis of Pollutants"' Code of Federal Regulations, Vol. 40, Part 136
"Test Methods for Evaluating Solid Waste", SW846 Third Edition, September 1986, USEPA.
Code of Federal Regulations Vol. 40, Part 261, "Appendix II Method 1311 Toxicity Characteristic Leaching Procedure."
Standard Methods for the Examination of Water and Wastewater", 18th & 21st editions
"Methods for the Chemical Analysis of Water and Wastes", EPA600/4-79-020, March 1983, U.S. EPA, EMSL
"Annual Book of Standards, Section 11-Water", American Society for Testing and Materials (ASTM)
"Methods for the Determination of Organic Compounds in Drinking Water", EPA 600/4-88/039, December 1988

Qualifiers

B	Detected in method blank	E	Detected above calibration limits, result estimated
H	Parameter run out of hold time	J	Detected below PQL, result estimated
P	Incorrect Preservative	R	See report notes
SUB	Sub-Contracted to Certified Lab	N	Not NELAP/TNI certified for parameter

Abbreviations

ppm	Parts Per Million (mg/kg or mg/L)	PQL	Practical Quantitation Level
ppb	Parts Per Billion (ug/kg or ug/L)	attached	Subcontract Lab Report Attached
g	gram (1000 g = 1Kg)	ND	Not Detected
kg	kilogram (1 kg = 1000 g)	NA	Not Applicable
mg	milligram (1000 mg = 1 g)	NS	Not Spiked
mg/kg	milligram per kilogram (ppm)	NP	No PCB pattern detected
ug/kg	microgram per kilogram (ppb)	NR	Not Requested
ug	microgram (1000 ug = 1 mg)	NI	Not Ignitable
L	liter (1 L = 1000 mL)	NFL	No Free Liquid
ml	milliliter (1000 ml = 1 L)	NTU	Nephelometric Turbidity Units
ul	microliter (1000 ul = 1 ml)	S.U.	Standard Unit
mg/L	milligram per liter (ppm)	RPD	Relative Percent Difference
ug/L	microgram per liter (ppb)	RSD	Relative Standard Deviation
ng/kg	nanogram per kilogram	MS/MSD	Matrix Spike/Matrix Spike Duplicate
BTU/lb	British Thermal Units per pound	LCS	Laboratory Control Sample
CFU/mL	Colony Forming Units per milliliter	BS	Blank Spike (Method Spike)
MPN/100 ml	Most Probable Number per 100 mL	o F	degrees Fahrenheit
mS/cm	milli Siemans per centimeter	o C	degrees Celsius
uS/cm	micro Siemans per centimeter	umhos	Conductivity Units
ug/sq cm	microgram per square centimeter	ohms	Resistivity Units
ug/sq ft	microgram per square feet	RL	Reporting Limit
ug/wipe	microgram per wipe		

Note: All non-aqueous samples, with the exception of oils, wipes, and paint chips are dry weight corrected
PQL-The Practical Quantitation Limit (PQL) is the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions.

RL-Reporting Limit is greater than or equal to PQL.

Mid-Atlantic
Environmental Laboratories, Inc.
30 Lukens Drive, Suite A
New Castle, DE 19720-2700
Phone: 302-654-1340 TOLL FREE: 877-654-1340
Fax: 302-654-4058

CHAIN OF CUSTODY

Lab Use Only
Job # 36944

Client Name: KEMRON Environmental Services, Inc.	Invoice To: KEMRON	Sample On Ice: ☐ Yes ☒ No	Data Format Requested: ☐ Results Only ☒ QC Package ☐ NJRDD + Hazsite ☐ NJFDD + Hazsite ☐ MDE ☒ Excel Summary	Report Format: ☐ Fax ☒ E-mail PDF ☐ Portal Posting Only
Address: 1359-A Ellsworth Industrial Boulevard	Purchase Order #: SE1838-500	Sample Disposal: ☐ Client ☒ MAEL		
	Project Name: Riverside Avenue Site	Site Location: ☒ NJ ☐ PA ☐ DE ☐ MD ☐ Other		
City, State, Zip: Atlanta, GA 30318	Bottle Order # Quote #			

Contact Name: Janelle Murphy	**Regulatory Program**	**Turn Around Time**
Phone # 404-808-3769	☐ DERBCAP ☐ PA UST	☐ <24 Hours (Same Day)
Fax # 404-636-7162	☐ PA Clean Fill ☐ PA ACT II	☐ 24 Hours (Next Day)
E-mail: jmurphy@kemron.com	☐ NJGWQC ☐ NJ SRP	☐ 48 Hours (2 Days)
Remarks: Refer to IFB SE1838-001 Package for Method References	☐ NJ UST ☐ MDE	☐ 72 Hours (3 Days)
	☐ Site Specific ☐ Non regulatory	☐ 96 Hours (4 Days)
	☒ Other (Specify): RCRA/CERCLA	☒ Standard (1 Week)
	Failure to include regulatory program may result in PQLs incompatible to regulatory limit. If not specified, assumed to be non-regulatory.	☐ 2 Weeks
		☐ Other – Specify

Laboratory Sample #	Client Sample ID	Sampling Info Date	Sampling Info Time	AM PM	Sampled By:	Sample Type Grab	Sample Type Comp	Matrix	# Cntrs	TCLP VOC/TCLP SVOC	TCLP Metals/TAL Metals	TCL VOC/TCL SVOC	TPH/GRO/DRO	Reactivity	Corrosivity/Ignitability	Total Solids	PCB/BTU		
36944-1	Process Lines/AST Fluid	4/10/12	14:40	PM	RC		X	Liquid	2	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐

Bottles Supplied By MAEL? (Yes) No	Logged By: [signature] 4/11/12		QA Reviewed: [signature] 4/9/12		Page 1 of 1
Relinquished By: [signature]	Date: 4/11/12	Time: 14:00	Received By: [signature]	Date: 4/11/12	Time: 14:00
Relinquished By: [signature]	Date: 4/11/12	Time: 16:40	Received By: [signature]	Date: 4/11/12	Time: 16:40

All samples are disposed 30 days after receipt unless otherwise requested. By signing this Chain of Custody Agreement, customer expressly agrees to pay Mid-Atlantic Environmental Laboratories, Inc. for all charges reasonably incurred in connection with analysis and reporting of these samples

DE certification
MD certification

Sample Temperature	
Temp as Read	
Temp Corrected	